

March, 1951

20c a copy

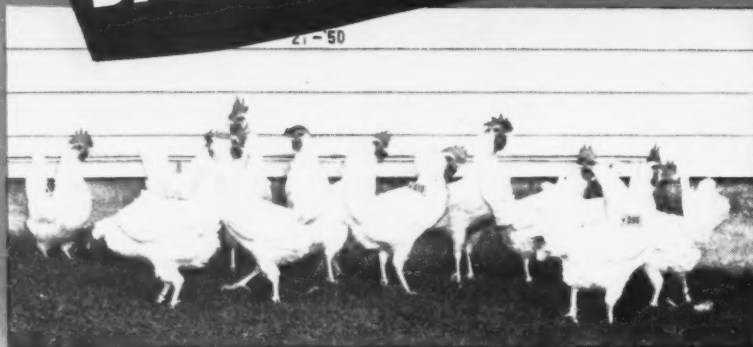
CORNUELL UNIVERSITY
MAR 27 1951

FARM and
HOME WEEK
SPECIAL!



The Cornell Countryman

BABCOCK'S healthy chicks



Babcock's White Leghorn Pen which won the 1950 Storrs, Conn., test.

make
Great Layers

HIGH PEN AT STORRS: Last fall we realized an ambition of many years' standing. We won first all breeds at the Storrs, Connecticut, Egg Laying Test which is the oldest and most famous official egg laying test in America. Winning it is a feather in our cap. This is the first time since 1942 that the Storrs Test has been won by White Leghorns. The pullets in this pen, by the way, were all out of pullet breeders—not old hens. They did much better than we thought they would. Their record: 3,899 eggs and 4,124.5 points.

OTHER RECORDS GOOD: Our other 1950 records are good, but not outstanding. Our Leghorns placed fifth or better in every test entered. They placed second in both Poultry Tribune and American Poultry Journal trophies. Our Leghorns won the profit class at California in 1949, and won second in 1950.

HIGH LEGHORN PEN AT GEORGIA TEST: This is the fourth time we have won high Leghorn pen at the Georgia test.

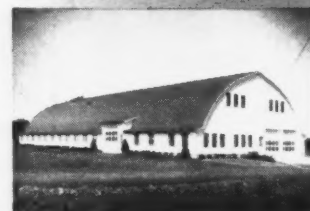
HIGH CONTEST PEN ALL-TIME ALL BREEDS: Our Western New York Leghorn pen of 1944-45 still holds the all-time World record, 4,057 eggs and 4,336.25 points, for all breeds—all tests.

WE HATCH THE YEAR ROUND:

We hatch White Leghorns, Red-Rock Cross, Rhode Island Reds and Barred Rocks. Own two hatcheries, with 600,000 egg capacity, three poultry farms and 15,000 breeders. We also carry on a complete pedigree-progeny testing program.



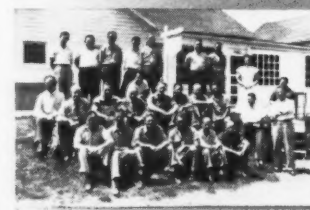
Monroe C. Babcock looking over one of his trapnest White Leghorns.



New hatchery and office building 140 ft. x 60 ft. Completed last summer.



Here are three of the Babcocks, Bruce, Monroe and Carolyn.



A picture of our gang taken July 26. Sorry three of our employees didn't get into the picture.



Write today!

Send for this 36-page illustrated catalog which describes our breeding program as well as our entire production facilities.

BABCOCK

POULTRY FARM, INCORPORATED

ROUTE 3H, ITHACA, NEW YORK

SAY YOU SAW IT IN THE COUNTRYMAN

THE CORNELL COUNTRYMAN

Look Ahead to Healthy Crops

WITH THESE FREE BOOKS
ON INSECT CONTROL...



Healthy fields mean profitable yields! One good way to get the most out of seed and labor is through a sound program of insect control with toxaphene insecticides. Approved by the U.S.D.A. for grasshoppers, and by leading cotton-growing states for the control of all important cotton pests, low-cost toxaphene dusts and sprays are also being used effectively against an increasing variety of insects that attack other crops. This collection of books on insect control includes detailed recommendations on specific insects and a summary of latest federal or state recommendations. Write today for your free copies.



HERCULES POWDER COMPANY

INCORPORATED
911 King Street, Wilmington, Delaware

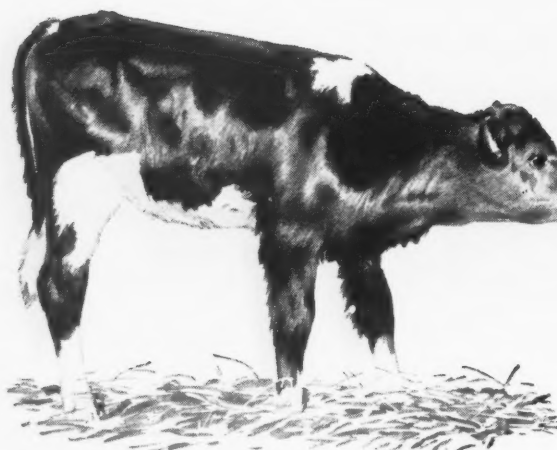
MAKERS OF TECHNICAL TOXAPHENE FOR AGRICULTURAL INSECTICIDES
NX51-5

toxaphene

DUSTS SPRAYS

Both Doing Fine . . .

The Calf . . . Eating Well and Growing Strong with No Help from Mother.

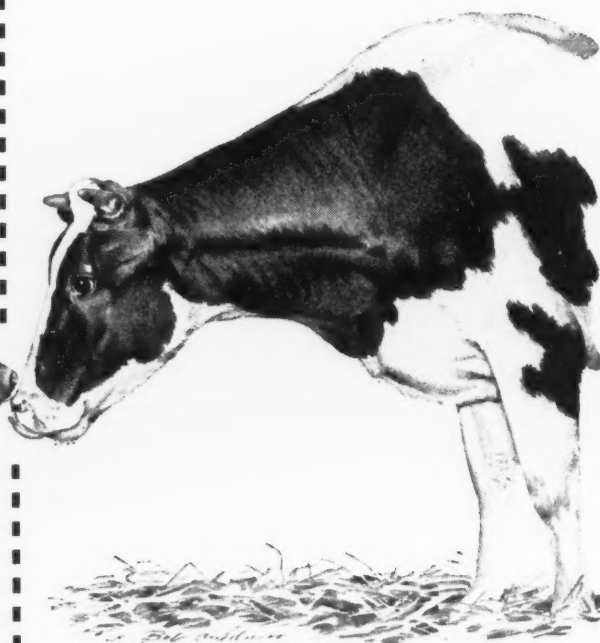


IT doesn't take long—in fact within 48 hours a calf can be completely independent of her dam. This early age is the best time to start pail feeding of either whole milk or a good milk replacement such as Calf-Kit. A calf's appetite will grow fast from here on and within a few days G.L.F. Calf Starter can be fed as the amount of milk is reduced.

G.L.F. Calf Starter is made of much the same ingredients as a good fitting ration—corn meal, bran, crushed oats, oil meal, molasses. Additional ingredients are added to supply the extra vitamins and minerals the young calf ordinarily gets from milk. Thus the Calf Starter-fed calf gets all the advantages of milk feeding, and starts earlier to develop the size and body capacity that make a good producer.

**G.L.F.
Calf Starter**

The Cow . . . Back in Full Production and in Good Condition.



"A N ounce of prevention is worth a pound of cure"—this old proverb applies to cows that have dried off, and it really pays when they freshen. Most cows lose weight for three to six weeks after calving because they do not eat enough to provide body maintenance and milk production. Feeding G.L.F. Dry and Freshening Ration during the dry period and after freshening, the time when many cows are somewhat finicky, will better condition cows for the production period ahead. G.L.F. Dry and Freshening Ration is bulky, low in protein, and very palatable. It has a cooling, laxative effect and greatly relieves the congestion and fever in the udder. The additional milk yield from cows in good condition more than offsets the cost of the feed required. Cooperative G.L.F. Exchange, Inc., Ithaca, N. Y.

**G.L.F.
Dry & Freshening
RATION**

CONTENTS

Welcome from the Deans	page 7
Modern Crusade—Mastitis Control by Margot Pringle '53	page 9
The Curious Countryman: Draftee? Enlistee? ROTC? Where does the Ag Student go in '51? by Conrad Oliven '53 and Homer Pringle '53.....	page 10
Will Your Farm Catch Cold in the Draft? by David Bullard '53	page 11
A New Coat of Paint for the Little Brown Church . . . by Avis Pope '54	page 12
Memories of Guatemala . . . by Jose Alberto Orive.....	page 13
Grab Your Gal—We're Going Square Dancing . . . by Marina Ivanov-Rinov '53	page 14
Vet School Internes . . . by Bobby Manchester '53.....	page 15
Over A Hot Stove	
Mixing Heads and Houses—The Research Center . . . by Martha Jean Salzberg '51	page 16
Spool Rules for Organized Sewing . . . by Barbara Chamberlain '51	page 17
Introducing Your Friends	
MARTHA JEAN SALZBERG BRAD DONAHOE SAM McNEIL JOANNE WALLDORFF	page 18
Vet College Program Highlights . . . by Nona Sutton '53	page 20
Student Livestock Show . . . by Margot Pringle '53.....	page 21
Campus News	pages 22 and 23
Ag-Tivities—What the Clubs are Doing	pages 24 and 25
Former Student Notes	page 26
Marks, Movies, and Money . . . by Ester Church '53 and Marcia Wright '53	page 27
List of Advertisers	page 28
Bulletins for You from Roberts Hall . . . by Rhodalee Krause	page 30
Slips in the Press	page 32
Antibiotics Increase Poultry Growth	page 38
Up To Us—Editorials	page 48
Farm and Home Week Highlights	page 52

OUR COVER: Staff photographer Wally Rich '51, took his picture of Naomi Leith who was working on her heifer, preparing her for the Livestock Show.

The Cornell Countryman

Founded 1903 Incorporated 1940
Member of Agricultural College Magazines, Associated

EditorMichael v. E. Rulison				
Managing Editor ..Margot Pringle		Mall Circ. Mgr.Doris Stilwell		
Business Mgr. ..William Hoffmann		Asst. Adv. Mgr.Anna Maier		
Adv. Mgr.Robert Snyder		Campus Circ. Mgr. ..Kenneth Bell		
Home Ec EditorMartha Jean Salzberg				
Photography EditorWallace Rich				
Art EditorBetty Ann Jacques				
Associate Editors				
David Bullard	Phillips Foster	Brooks B. Mills	Conrad Oliven	Martha Trever
Editorial Board				
Ann Batchelder	George Goldman	Blanche Miller		
Barbara Chamberlain	Rhodalee Krause	Kay Wolf		
Frank Grasberger	Roberta Manchester	Judy Zucker		
Business Board				
Pat Behrman	Frances Davison	Avis Pope	Ralph Rogers	Shirley Sagen
Rina Ceci	Jean Lovejoy	Rita Rattman	Carolyn Ross	Beth Trever
Art and Photography Board				
John Frisbie	Mike Gilman	June Petterson	Homer Pringle	
Board of Directors				
Professor A. W. Gibson	Mr. W. D. McMillan	Professor W. B. Ward	Mrs. Marion Stocker	

The Cornell Countryman is published monthly from October to May by students in the New York State Colleges of Agriculture and Home Economics, units of the State University of New York, at Cornell University. Entered as second class matter at the Post Office, Ithaca, New York. Printed by Norton Printing Co. Subscription rate is \$1.00 a year or three years for \$2.25; single copies, 15 cents.

Vol. XLVIII—No. 6

It's Round-Up Time!



37th Annual Fitting and Showmanship Contest

Thursday, March 22nd at 10:30 a.m.

JUDGING PAVILION

Classes in Dairy Cattle, Sheep, Hogs,
Beef Cattle and Horses

PRIZES

SPECIAL FEATURE ATTRACTION!
DAIRYMAID CONTEST
4:45 P.M.

Eat Dinner in Real Home Style at the Cafeteria operated by the
Club on the First Floor of Wing Hall
Meals served Monday thru Friday from 11 a.m. — 2 p.m.

Dick Darley	}Superintendents
Bill Bair		
Ward MacMillanAssistant Superintendent	
Dick CallCafeteria Manager	

N.Y.S. Colleges of Agriculture
Home Economics
Veterinary Medicine

Cornell University

March 19-23, 1951



DEAN W. I. MYERS



Dean Vincent

Dear Farm and Home Week Visitor:

We look ahead to your annual visits with much pleasure for they have become the biggest event of the year on the campus.

For this 40th annual Farm and Home Week you will find that many of the events have been arranged with emphasis on preparing for the difficult and uncertain period which lies ahead of us in national and international affairs.

This year special attention will be focused on meeting the needs of rural people by increasing labor efficiency on the farm and in the home. Better rural living will also be stressed. By making more use of exhibits, movies, and forums, we have increased your opportunities to learn of the new findings about farming and homemaking.

Beginning as a yearly inspection of the College of Agriculture by the people most interested in it, the farmers, Farm and Home Week has become one of the largest and most intensive educational and informational programs in the Northeast.

You will find the professors of research, teaching, and extension "at home" to answer questions, discuss problems, and hear your suggestions on how they might be of service to you. Only when we know your needs can we provide the information which you want. Your visits are the vital second road to the highway of information leading to and from the colleges.

We hope that this visit to your campus will be both enjoyable and worthwhile.

Elizabeth Lee Vincent
Dean, College of Home Economics

W. I. Myers
Dean, College of Agriculture

W. A. Hagan
Dean, College of Veterinary Medicine

Dean Hagan





Sure, it's hard work

But the present day New York farmer has to be more than a hard worker. In a sense, he has had to become an entomologist, a chemist, plant breeder, soil scientist, and many other things all rolled into one.

Farm and Home Week is for all of you who have made New York a leading state in the production of many food products.



Cornell University
NEW YORK STATE COLLEGE OF AGRICULTURE

Modern Crusade-- Mastitis Control

By Margot Pringle '53

"Mastitis?—Yah, we've heard plenty about mastitis." A weary student turned and looked straight at the inquirer. "We get it in lectures, in text books, we get it in extension meetings, country newspapers and in breed magazines. Popular subject these days."

Popular or unpopular as the case may be, mastitis is certainly getting more attention than it used to. Most dairymen have a backlog of personal information regarding it, and this experience together with high-powered modern research is putting it more and more into the category of diseases that can be licked. After years of concentrating upon the handling of milk after it leaves the udder, experts discovered that one of the greatest sanitation problems was to be located in the udder itself. In 1946 the New York State Legislature appropriated funds to make an all-out campaign against this usually infectious cattle disease which has plagued the dairy industry for years.

What Is It?

Just what is mastitis, anyway? According to the authorities it is an inflammation of the udder from any cause and it may manifest itself in a number of ways. Streptococcus and staphylococcus bacteria may enter the teat canals and lodge in the milk cisterns, from which they spread out through the infected quarter. Symptoms differ, depending upon the severity of the disease.

Chronic mastitis, for example, may go for years without notice, while the acute form results in marked pain and swelling of the udder and may terminate in death. Of course, milk production drops and abnormalities in the milk itself

will appear, such as flakes and ropy strands of fibrous material. As the disease progresses to the secretory tissue itself is gradually destroyed and replaced by scar tissue, which produces characteristic lumps and hardnesses in the udder. Thus the manufacture of milk may be eventually halted. The disease is not hard to diagnose. A few streams of milk from the infected quarter will show flakes of curdy material on the fine mesh screen of the strip cup. The use of the bromthymol blue testing apparatus will often detect the disease at an early stage.

Since New York is one of the larger dairy states in the Union (ranking third in the number of cows and first in the value of milk at the farm), it is natural that farmers here should be concerned about mastitis. Five out of every ten cows are infected with mastitis bacteria and losses for individual dairy operators may amount to \$3000 annually as a net result. This adds up to a \$21 million annual total loss to the industry on a statewide basis. Under the supervision of The College of Veterinary Medicine at Cornell University, the program-crusade got underway.

It is hard to cover the several aspects of the mastitis program in an article of this

size. Briefly, its aim is to lessen the frequency of mastitis losses in the state's herds by every practical means available, meanwhile conducting essential research projects and educating farmers on proper management practices through an active extension program.

Its physical setup includes six field laboratories throughout the state, each staffed by a field veterinarian, laboratory technician, assistants, and a secretary. The field vet works in cooperation with a local practitioner on farms where help is requested, doing physical examinations and laboratory analyses of milk samples to diagnose cases and special management problems in the herd.

The farmer is taught how to improve environmental conditions on his farm, cutting down on the spread of the disease, and keep careful records of all measures taken in order to find the most effective preventive measures and remedies. Demonstration herds were selected in the beginning largely on a basis of which was the worst off—today many of them stand mastitis clean, as monuments to what

(Continued on page 42)



—Extension Service

Veterinarians E. W. Tucker, E. L. Fountain, and I. F. Reed examine a cow for signs of mastitis as part of the New York State Mastitis Control Program.

Draftee-Enlistee-ROTC

The Ag Student

In '51

By **Conrad Oliven '53** and **Homer Pringle '53**

This month we cornered a few students and asked them how the present world situation was affecting their college education and future plans. The "present world situation" invariably narrowed to a discussion about the draft.

It is likely that the repeated advice of the administration to sit tight and not to get all excited about the draft has been well heeded. Then again, acceptance by advanced ROTC is a big deciding factor. Another thing, as one student phrased it, "This is one time age can be comforting."

Regardless of the influence, our aggies seem to be a pretty sensible lot after all. Most of them are trying to squeeze as much education in as Uncle Sam will permit.

Charles Connor '53—general ag

The whole factor is this: if I'm accepted by advanced ROTC I'll be able to finish school. Then it won't change my plans, just delay them. On the other hand, my plans would change if I'm not accepted by advanced ROTC. In that case, I'd enlist in the Navy.

Fred Annis '53—rural ed

My plans changed? Educationally, no. But it has changed things socially. Everything was going along nicely—all that goes with a college education — and this comes along. Before we were planning to have a good time over a long period; now we'll all do it in a hurry.

José Soares '51—an hus

No, it hasn't. Since I'm from Portugal, studying here under a student's visa, I'm not subject to the present draft law. Portugal, however has her own military program which will affect me upon my return.

Frank Sahler '54—ag ec

I had planned to get a farm of my own as soon as possible after graduation. This situation has made my future plans anything but clear. I'm subject to the draft and don't even know if I'll be back next fall.

Myron Kelsey '53—rural ed

I had planned to go to graduate school but since I just got my draft notice that'll be put off. It'll now require an advanced ROTC course to finish school—which I had not planned on previously.

Bud Merrill '54—rural ed

Just had my 18th birthday. The draft is inevitable but I won't enlist. As long as I am here I might as well do the best I can.

Bob Whipple '51—plant phys

I'd like to be here for quite a while to continue my education. Anyway, the longer the better. I don't think things are serious enough at this time to change my plans. If things do get worse, we'll all be directly affected.

Phil Eastman '54—rural ed

I'm at a ripe old age for the draft. I'm signing up for "advanced" in

June. If I don't make it I'll enlist in the Air Corps. No draft for me.

Marina Ivanov-Rinov '53—journalism

If war should be declared I certainly would not stay in school. I have no definite plans for the future and would join the Waves.

Joe Rieman '52—general ag

I'm a veteran, so I don't have to worry about it unless they change the present draft status.

William Grevelding, grad—rural ed

Actually I don't have too much to worry about. I've had a little service and have completed my undergraduate study. This situation will provide more jobs for veterans, as I'm beginning to find out. I've been job-hunting lately; the first question I'm asked it, "What is your draft classification?" The way things look now I would say we won't have war for a little while.

Dirk Wansink '53—general ag

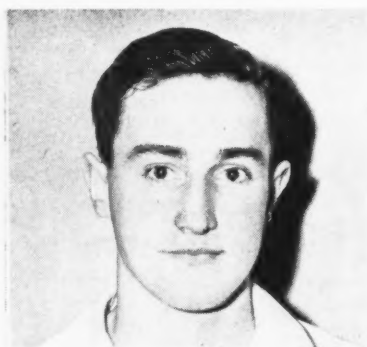
Hasn't changed my plans a bit. When the draft gets me I'll go.

Joyce Smith '54—ag

Until they draft women, I won't worry about it. I want a college education so I want to get through with that first. I think you're better prepared for a good job when you get out of college than out of the service.

Ray Briggs '51—dairy husbandry

I'm over draft age. That makes a difference unless they raise the age limit. But I don't think there will be war for at least a couple of years. About the present draft—physical standards should be lowered in the 19 to 25 year bracket before they take 18-year-olds. Probably universal military training would solve many problems.



Phil Eastman

LIVESTOCK SHOW



Ray Briggs

H. Pringle '53

THE CORNELL COUNTRYMAN

Will Your Farm Catch Cold In The Draft?

Much concern has been registered lately about the status of boys on farms and how long they shall remain there before they fall heir to the fortunes of local draft boards. The *Countryman* has undertaken some research in this question for the sake of its value to our Farm & Home Week guests, for interested students, and for others who may have asked casually at one time or another "What is going to happen to the boys down on the farm?"

We have consulted the National Director of Selective Service and he has provided us with extracts from the Selective Service Act of 1948 which should help clarify the confused condition. Every male between 18 and 26 is required to register and be classified with his local draft board—no matter what diversion the registrant is currently engaged in.

Why the Local Board

The classification is made according to what neighbors know about their neighbors when you come right down to it. For local boards are constituted by local folks, not by impersonal drafters from "down below". These people from the hometown are in an advantageous position when it comes to judging an individual's needs while investigating his claims. The popularity of local autonomy is hotly defended when one dares to suggest that Washington could do it better.

Men engaged in agriculture which produces goods for the market may currently be assured of a II-C (Agricultural) classification. The Act states:

Who Is Deferred

"1622.13 Class II-C. Registrant deferred because of Agricultural Occupation.—(a) In Class II-C shall be placed any registrant who is employed in the production for market of a substantial quantity of those agricultural commodities which are necessary to the maintenance of national health, safety, or interest, but only when all of the conditions described in section 1622.10 are found to exist.*

How Will the 1948 Selective Service Act Affect Your Farm in the Months To Come

By David Bullard '53

"(b) The production for market of a substantial quantity of agricultural commodities should be measured in terms of the average annual production per farm worker which is marketed from a local average farm of the type under consideration. The production of agricultural commodities for consumption by the worker and his family, or traded for subsistence purposes, should not be considered as production for market. Production which is in excess of that required for the subsistence of the farm families on the farm under consideration should be considered as production for the market.

and how long

"1622.14 Length of deferments in II-C.—(a) Class II-C deferments shall be for a period of one year or less. If there is a change in the registrant's status during the period of deferment in II-C, his classification shall be reopened and considered anew."

This information should clear up questions which may be posed by the individual farm worker, but what, you may ask, about the farmer who has many men working on his larger sized operation? How can a draft board tell how many men he needs to keep production at maximum levels? During the last war this problem confronted many farmers who were struggling to produce more than ever before. The old New York State Form OF-4, which many will remember has currently been undergoing revision lists the many products from agricultural establishments, and it tells what quantity of a given item merits one "unit." There is a

*This section states that: "(1) The registrant is, or but for a seasonal or temporary interruption would be, engaged in such activity; (2) The registrant cannot be replaced because of a shortage of persons with his qualifications or skill in such activity; and (3) The removal of the registrant would cause a material loss of effectiveness in such activity."

space for the actual amount recently produced, as well as a conversion factor which when applied permits local boards to determine readily how many of these production units a given farm has. There are so many units per worker, therefore if a farm has many units, the number of men it may retain may be calculated. Copies of the new form are available at your draft board's office.

If the Age Goes Up

Some discussion has been heard among farmers concerning what will happen if the maximum draft age changes and goes up. That many more men will be forced to apply for II-C classifications, and probably the nature of an emergency would make getting such deferments difficult as boards generally feel that the farm will "get on somehow". Holding the line at 26 will insure a farm labor supply above that age, while at the same time persons who are eligible for service may apply for deferments and their requests may be honored if evidence is at hand to prove that the applicant has satisfied the conditions of the legislation.

Much To Be Done

Doubtless there is a great deal which can be written about the draft and its affects on farming. It must be emphasized that prevailing international conditions, etc., will ultimately determine the eligibility of one for deferment if the Government determines that manpower is more precious to the Army than to the nation's farm community. Military and political planners, however, are wise enough to know that "an army travels on its stomach" and that "bread makes friends". These two quotations, if practiced by the Government, would go far toward assuring victory and insuring the peace.



Gilman '54

A New Coat of Paint For the Little Brown Church

**The Rural Church Institute
Helps Strengthen Your Churches**

By Avis Pope '54

"The Rural Church Institute strives to do for churches what the agricultural Extension Service does for farmers," explains Rev. Ralph L. Williamson, who has been the director of RCI for the past twelve years.

The Rural Church Institute was established in 1935 as the rural department of the New York State Council of Churches. It is a unique organization composed of Christian clergy and laymen who believe in Rural Church research, education, and extension. It gives service to the rural community, the ministry, and the local church.

Operation Co-operation

Since they have the common purpose of bettering rural life, there is fine cooperation between RCI and the various farm organizations. The Agricultural Extension Service, Grange, Farm and Home Bureaus, GLF, 4-H, and Dairymen's League have all helped to promote the

CROP program, Rural Life Sunday and Harvest Festival services, Lord's Acre projects, and the Older Rural Youth organization.

Training Programs

Many rural churches lack good leadership and so several schools and conferences are held each year to train both pastors and laymen in organizing and leading groups. Older Rural Youth conducts several workshops throughout the state to stimulate interest among the young people. Other events sponsored include the Summer School for Town and County Pastors and Laity, the Winter Training School, Lord's Acre Institutes, and Church and Family Farm Conferences.

Each summer, RCI together with the Auburn Theological Seminary holds a summer training session in rural ministry for theological students. Six weeks are spent in the Cornell University Summer Session while the students conduct or as-

sist at services in nearby churches on weekends. An additional nine weeks are provided for full time observation and practice in a rural church or larger parish in Central New York.

Another important service offered by RCI is assistance in local movements for union or federation of neighboring churches. Some communities have two to three churches, no one of which is sufficiently supported. In such a case, the RCI will help them to federate into one church which will be able to satisfy the spiritual needs of the community. One such case is a Baptist-Methodist Federation at Athens, New York. The RCI helped eight churches of three different denominations in neighboring communities form the South Jefferson Cooperative Parish in Jefferson County. Each church maintains its spiritual sovereignty as before, but in addition, it cooperates with its sister churches on monthly meetings, special programs, and employment of a full-time educational director.

Religion On The Air

The Institute sponsors radio and television programs which reach thousands each month with a Christian rural message. More than fifty rural ministers and laymen have

(Continued on page 46)

Memories of Guatemala

By Jose Alberto Orive

Guatemala begins at the Mexican border with a vast jungle area, where chicle tappers slash forest giants, but most of the Republic's people live in the "Altos," or Highlands, in the shadow of sleeping volcanoes. The vast jungle area, the district of Petén, stretches to the north, and lowland strips also covered by a luxurious, dense jungle, lie along both coasts. But Guatemala is essentially a mountainous land of quiescent volcanoes and lofty lakes of deep blue waters. Indian villages perch on the edge of ravines or nestle in the hollows of valleys.

Indian Background

Guatemala is predominantly Indian. Nowhere else in the Americas have the original Americans maintained so well their pre-Columbian culture, dress and customs. Side by side with "Ladinos" (mixed Spanish and Indian), peoples of Maya descent live harmoniously in the blue-misted highlands and humid rain-forests. The ancestors of today's Guatemalan Indian, the Mayas, of the Old Empire, flourished in the hot luxuriance of the jungle area mentioned above (Petén). Beginning their vast building in Central Petén, the Mayas trekked northward through the centuries, abandoning their stone cities. No one knows for certain why; some think that farm-lands about each city became exhausted. Finally they emerged in a new burst of building and artistic splendor in the New Empire cities of Yucatan. The Mayas were a people of great attainments and strange lacks; they devised a calendar more nearly accurate than the one in use today, but had not discovered the principle of the wheel. Independently of the Arabs, they invented the zero symbol in mathematics, but were ignorant of the true arch. They

JOSE ALBERTO ORIVE, born in Antigua, Guatemala, is majoring in agronomy at Cornell. After his graduation next year he plans to do graduate work in California. He will then return to Guatemala, to work with his father on a coffee plantation and cattle ranch.

left their descendants a mass of religious-astronomical rites, many of which are still practiced.

The highlands of Guatemala have changed little in 400 years, but the Capitol, Guatemala City, has expanded immensely. Virtually surrounded by deep ravines, the city has stretched suburban tentacles out between the fissures. Old trough-shaped cobbled streets have given way to asphalted avenues, and splendid new buildings rise from colonial foundations. Though pure-blooded Indians form more than half the population of the Republic, Guatemala City is the most metropolitan capitol between Mexico and the South American mainland. High in a valley nearly 5,000 feet above sea level, the spotless city has a springlike climate the year round.

Culture Center

In the early days of the Spanish colony, Guatemala was the seat of the captaincy general of Guatemala, which had jurisdiction over all Central America to Panama. At that time the old capitol, now called Antigua, became a miniature Florence of the New World. It became a rich, cultured center of the church, arts, and letters. To Antigua came the first printing press of Central America, in 1660. Here flourished artisans, guilds of silver and goldsmiths, wood carvers, painters, and leather-workers. But Antigua was destined to a short-life; many earthquakes shook the city until, in 1773, one demolished virtually the entire town, and three years later the Capitol moved to its present site.

Ancient Charm

Higher (5100 ft.) and colder (60° to 80° F.) than the new city, Antigua (my hometown), has a savor that is hard to put on paper. After the last earthquake, many houses of colonial style were rebuilt among the quiet ruins of the old churches (60 of them), and these ruins have been left where they were, to attract tourists. People still live serenely in the old town that half

sleeps in the bright sunshine of the Valley of Panchoy. Wild flowers grow in cracks opened by earth tremors in the massive walls of convents and churches. Half-fallen arches frame the peaks of the volcanoes surrounding the city. Civilization hasn't touched Antigua very much; the town is quiet and very peaceful, and its commercial life centers around the tourist and coffee trades. Having an ideal climate for the latter products, Antigua is surrounded completely by coffee plantations which add a deep green color to the already picturesque environment. Anyone who has lived in or visited Antigua can not help remembering with nostalgia, the romantic attraction of this town, where time slaves nobody. Life is quiet and slow in the daytime, and everybody goes to bed at nine in the evening, leaving the city in a moon-bathed silence, occasionally broken by the bark of a dog, or the sound of serenading guitars. Occasionally too, the wind brings the rhythmic sound of "marimbas" (typical instrument), to remind you that people do have "parties" after nine o'clock.

Earthquake Peril

Periodically the earth shudders to remind residents why their an-

(Continued on page 40)



Jose

Grab Your Gal

Ancient French Ballroom Dance Enjoys Greatest Comeback

As A Corrupted American Fling . . The Square Dance

By Marina Ivanov-Rinov '53

They talk about Gloria Swanson making a comeback, but that "ain't nothin'" to the one that square dancing has made in the last few years. It's a well known fact that this mad thing performed in a square was one of the main sources of amusement for the pioneers of this country. However, during the staid latter 1800's the whole thing was forgotten for more fashionable dances—minuets were better suited for tight corsets than the rigors of the square. But things run in cycles; in the 1940's square and folk dancing came back and now have a tighter hold than ever before. Here at Cornell there is plenty of evidence of this.

Who, Where, How?

The Cornell Folk Dancers prepare refreshments for about a hundred and fifty every Monday night. What's more, they're outgrowing the gym at the Old Armory. The kids down there ask for even more punishment. Some of them have formed an affiliation with the Cornell Outing Club for the sole purpose of doing more varied squares and perfecting them to a near professional level.

Saturday nights at Dryden are popular with the fans who have cars. A mixed crowd of college kids, farmers, and the local high school set stamp and holler for four hours in the made-over top story of Marion's garage. But don't feel bad if you don't have a car. Dryden is crowded, and there are many dances

held right here on campus. Ag-Domecon, the Grange, 4-H Club, other ag and home ec groups, and many church organizations have square dances during the term. The Straight echoes with "allamande left on your corner" on many weekends. And on March 22 of Farm and Home Week, some 2500 farm



"It's the Elbow Swing!"

couples and students are expected to jam Barton Hall for the annual Barn Dance.

The Rural Sociology Department has realized the ever-growing popularity of this pastime and has printed an article called "Square Dance Know How." It is a help to the shy dates who have been corralled for the peppy festivities and don't know quite what it's all about. This bulletin gives directions for the common figures to help the beginners, and hints on improving style for the more experienced

dancers. The pamphlet outlines the parts that make up the beat of the music and the speed of the dance. The change makes up the body of the dance. In this part, the same old calls are used but in such a pattern that you won't recognize them. That is what makes each dance different from the rest. The change portion of the dance is usually done by each couple in turn. Very often each couple does about the same thing that the ones before them did. Now and then you'll get a tricky caller who will momentarily throw you off by calling a different figure for the odd couples than he did for the even couples. The last part of the dance is the chorus or refrain. This is used both to close the dance and also as a rest period. Most of you are familiar with the grand right and left followed by a promenade refrain, "you know where, we don't care."

Incidentally, you may not be quite sure whom the caller means by the head couple. No matter where you are or whether the building that you are in faces North, South, East, or West, the first couple always has their back to the music. The couples then count around counterclockwise and the set is numbered.

Even In The City

And so it goes. Everyone is getting square happy. In every city, weekly groups are being set up. Many mix another dancing pastime, folk dancing, with the squares. It doesn't seem to matter how far out of the way the place is—people come and keep coming. The prize examples of that are the outdoor dances held on Central Park Mall in New York City during the summer. It is usually so crowded that a person can hardly breathe, but not many leave to go elsewhere. Even on nights when there is a threat of rain, you will find many of the usual crowd there, waiting and hoping that the night will remain fine for at least a couple of hours.

It doesn't matter what age you think you are. You too will become a square dance fan, once you've tried it.

"Third couple promenade the outside—in the moonlight, in the moonlight . . ."

Practical Experience for Vet School Internes

By Bobby Manchester '53



—Photo Science

A canine patient enters the Small Animal Clinic.

Just as all medical students must serve as hospital internes, so every Cornell vet student gets first-hand practice in the small animal clinic at the College of Veterinary Medicine. Here he puts his book learning to practical use in the diagnosis of small animal diseases, in clinical methods, and in the medical care and treatment of small animals. This training helps prepare the prospective veterinarian for his role in the community.

The patients for these students are the small animals, dogs and cats, which are brought into the clinic from as far as three hundred miles away. Over 6000 cases a year come into the clinic for medical attention. Thus the clinic serves the surrounding area.

Sundays Too

Every senior student works under the watchful eye of a regular staff doctor for one third of each term. The remaining two-thirds of the term are spent working in the large animal surgical clinic and the large animal out-clinic. Students are at the beck and call of the doctor all day and even nights and Sundays, if needed. These students already have a superficial knowledge of the working of the clinic. During their third year, they have an orientation course in the clinic on how to make diagnoses.

The senior students perform in all phases of work in the clinic. They are confronted with many sorts of cases for diagnosis and if a

particular type of case isn't brought into the clinic, the doctors send away for it so that their students can have experience with even the rarer disorders. As Dr. H. C. Stephenson, Professor of Therapeutics and Small Animal Diseases stated, "There is a reason for everything and if something is wrong with an animal, the students must be able to find out its cause and then treat the animal accordingly." During a typical afternoon at the small animal clinic, dogs and cats were brought in with symptoms of unnatural heart beats, high temperatures, and jerking appendages. What ailed these animals? It was the students' job, with the aid of assisting doctors, to find out.

Scalpel Please

The students carry out minor surgical operations and assist in major surgical cases. Sometimes the regular doctors will act as the assistants and turn their operations over to the watching students. They also make bacteriological cultures, keep the wards clean, get practice in the treatment and sterilization rooms, partake in three weekly seminars,

and are ready at all times to cope with new cases and situations.

Since its establishment in 1907 by Dr. V. A. Moore, ex-dean of the Veterinary College, the clinic's reputation has steadily grown. Dr. Moore's primary purpose in establishing the clinic was to teach small animal diseases. From 1910-1947 Dr. H. J. Milks was in charge, and now Dr. E. P. Leonard heads the clinic. The clinic is staffed by four doctors, the students, a receptionist, office girls and two attendants.

Leader in the Field

The first clinic, now torn down, was located in back of the present building. In 1914 the present clinic was built, as the first of its kind in North America. Since that time, small animal clinics have become prominent throughout the country.

On the first floor of the clinic are the reception rooms, doctors' offices, consultation rooms, orthopedic room, and x-ray room. In the basement are six wards which can house 96 animals. These wards contain all white and completely spot-

(Continued on page 36)



—Photo Science

Work with dachshund patient teaches student veterinarians examination procedure.



Ever Hear About . . .

Mixing Heads and Houses?

**Cornell's Housing Research Center Plans
Livable, Scientific Homes for You**

By Martha Jean Salzberg '51

As a future home owner, or at least as a person who will want to get as much "livability" as possible from his future house or apartment, your ideas on housing probably are shaped a great deal by the kinds of houses you have seen and lived in or, more precisely, by what we may term custom and tradition. Or, you may be influenced by what individual specialists such as architects, engineers, economists and sociologists believe and what they express through books and magazines, newspapers, radio, television or through some of your college courses.

Purpose and Set-up

The purpose of Cornell's Housing Research Center is to bring together the specialists who are studying the diverse and complex problems concerned with your house and to coordinate the contributions each has to make in order to obtain well rounded housing research results. The field of housing is studied under the Center with recognition that there is a distinct overlapping among the areas of the varied specialists. The findings growing out of research projects in many instances will go out as unique combinations of the many and varied aspects of housing. All of this should permit you and other American families to be able to better appraise what you want in your future house, and know how you can get it.

The Housing Research Center was established at Cornell in October 1950. It is an independent unit within the University structure, and directed by an Executive

Committee appointed by the President of the University. This Executive Committee consists of one staff member from each of the Colleges of Architecture, Agriculture, Home Economics; the Schools of Mechanical Engineering, Industrial and Labor Relations, Business and Public Administration; and the Departments of Heat-Power Engineering and Sociology. A perusal of this list of the Divisions of the University represented on the Executive Committee gives some idea of the breadth of the Center's field of interest. Glenn H. Beyer, Professor of Housing and Design, is the Director of the Center and Thomas W. Mackesey, Acting Dean of the College of Architecture, is the Associate Director. The Center has offices in Van Rensselaer Annex.

Cooperative Efforts

The Executive Committee establishes the general policy of the Center, reviews proposed research projects, in some instances seeks sponsors for projects, and under certain circumstances initiates projects. The Committee appoints Technical Advisory Committees to help guide the research on accepted projects. Because the membership of the Executive Committee is broad it serves to link the resources of the various colleges and departments for the purpose of undertaking sound research studies. "Coordination is the key word of the Housing Research Center," stresses Professor Beyer, the Center's Director.

In addition to aiding and guiding a program of housing research, a second objective of the Center, Pro-

fessor Beyer points out, is to act as a clearing house for housing information and published materials. The Center already has accumulated and has available for use an "extensive volume of books, pamphlets, and research reports," he reports. These materials brought together in a central location assist housing research workers and teaching personnel. And again coordination is the keyword: this "library" serves to exchange information on housing between colleges and departments, and between the University and sources of information outside the University.

Current Projects

The work of the Center these first few months has been concentrated on setting up its organization, reviewing proposed new projects, and contacting sponsors for possible support of projects.

Housing research is not new at Cornell. Work in certain aspects has been underway in some Colleges and Departments for many years, and the Housing Research Center is closely cooperating with and giving assistance to these existing projects. One of the most extensive projects currently underway, in which the Center is cooperating, is a Northeastern farm housing project under the agricultural experiment stations of eight states in this region. In the part of this project at Cornell research in four specialized areas is brought together: household management, agricultural engineering, architecture, and social psychology. The immediate objective of this particular project is to provide aid and guidance for planning better and more convenient farm house kitchens. As indicated by the types of specialists cooperating on the project the designs which are being tested will attempt to set forth the most advanced principles which can be adapted

(Continued on page 51)

Spool Rules---

For Organized Sewing

By Barbara Chamberlain '53

In many homes, sewing on a button or darning a pair of socks can be a major operation. The button is upstairs on sister's bureau, the thread downstairs in the drawer of the sewing machine, the garment to be mended in another place. By the time sewing materials have been collected, precious minutes have been wasted and many needless steps have been taken.

Organized storage of sewing materials can save the homemaker time and energy and turn a bothersome task into a quick, easy operation and even a relaxation. When needle and thread are right at hand, it is easy to get into the habit of picking up a sock to darn or a button to replace while taking a few minutes of rest during the day. Often if the homemaker has some type of portable arrangement such as a sewing screen, it is possible to do two tasks at once, such as keeping an eye on a roast in the kitchen while patching a torn garment.

On Display

One of the exhibits arranged by the Economics of the Household department during Farm and Home Week is concerned with ways that the homemaker can provide storage for her sewing materials. Various ways of converting old pieces of furniture into useful sewing cabinets and ways of constructing other units will be shown in the exhibit.

It is important to remember that any organized storage, to be effective, must be suited to the individual needs of the homemaker and is, in a sense, custom tailored to her and to the task she wants to perform. It is wise to consider the situation and to plan carefully to get the most convenient arrangement. Perhaps a small portable unit would suit the needs of the person who mends only, while a fitted sewing closet containing a collapsible cutting table and ironing board would be practical for the home-

maker who does a great deal of home sewing. Some provision for knitting or crocheting materials might be desired in the sewing center.

Plan Ahead

After careful consideration of needs and objectives, it is a good idea to take measurements of the objects to be stored and to plan the storage space in units designed for the particular articles. It has also been suggested that it is wise to leave room for change and improvement in the storage unit, for after the homemaker has worked for a while, she finds ways in which it might be more useful to her.

One of the easiest to make and handiest of the articles on display

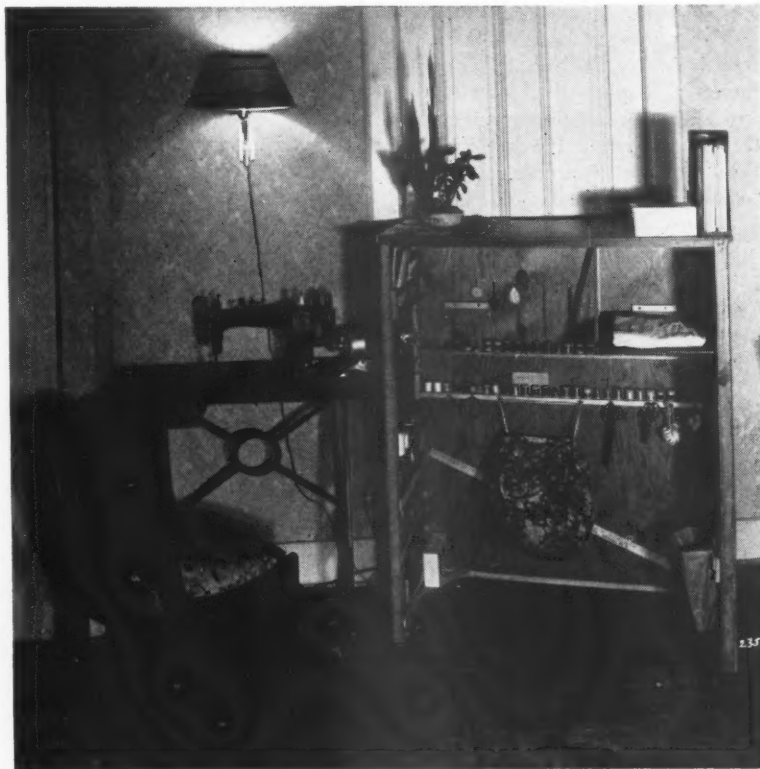
is the sewing screen or frame. It can be made any size and can readily be moved around if desired. It is easily accessible and provides an orderly arrangement of needles, thread, and the various other sewing necessities. The sewing screen can be attractively covered in plastic, leatherette or other material and lined in colorful chintz if desired.

An old radio cabinet of the floor model type, in good condition but outmoded, can be converted into an attractive and useful sewing cabinet. It could be placed near an easy chair in the living room, doubling as an end table, while providing a comfortable spot for mending. Partitions and adjustable shelves replace the discarded works of the radio and a bit of refinishing brings it up to date and makes it a handsome addition to a room.

Wasted Washstand

An antique washstand of the variety found in many attics can be converted into another type of sewing cabinet with a little carpentry

(Continued on page 39)



—Household Management Extension

Dual purpose sewing cabinet serves to store sewing materials and also to cover sewing machine when it is not in use.

Introducing . . .



Frisbie

Martha Jean Salzberg

Writing and journalism have been the aspirations of Martha Jean Salzberg ever since the day she won an essay contest in her high school at Bainbridge, Chenango County, New York.

Jean wants to write about home economics because she feels that there is much valuable material from industry and research centers that should reach the homemaker. With her broad training in home economics at Cornell she has the background to bring the homemaker and the information together. Her business courses at Cornell provide additional experience in the more routine duties of the journalist.

Three years on the staff of the *Countryman* have provided varied experience in Martha Jean's chosen field. Last year she worked as an associate editor, while this year she has managed the *Countryman's* home ec pages. She has been elected a member of the journalistic honorary society—Pi Delta Epsilon.

Since her sophomore year Jean has worked in the Home Ec cafeteria. Even though this has taken considerable time, she has also attended Wesley Fellowship, taken bridge lessons, and participated in the Debate Association.

This spring much of Jean's at-

tention is focused on writing for a national magazine contest whose winners will go to New York City to assist in editing one issue of the magazine.

When asked about courses and studies Jean said that students should try to become better acquainted with the departments outside their major field—avoiding over-specialization, and Jean's years here are a good example of this.

M.R.

Brad Donahoe

"Where can I get some candy bars?" is the frequent inquiry of Brad Donahoe. His team mates on the Livestock Judging Team became familiar with this question during their trips this past term.

However, Brad has many other interests besides his craving for candy. He lives near Frankfurt, New York, on a dairy farm, which probably accounts for his interest in livestock. Besides being on the 1950 Livestock Judging Team, Brad is also participating in the Round-Up Club show during Farm and Home Week. In his sophomore year, Brad won the junior division livestock judging contest and won one of the dairy judging contests.

In his freshman year, Brad pledged Alpha Zeta and is now vice-president of the fraternity. This year as a senior, he became a

member of the senior honorary agricultural society, Ho-Nun-De-Kah, and as an additional honor, was elected secretary of it. He is also on Ag-Domecon Council and is chairman of the ticket sales committee for the Farm and Home Week dance.

Because of his outstanding scholarship and leadership ability, Brad was chosen for the Danforth Summer Fellowship. Thus, last summer he spent two weeks of study and observation in St. Louis and two weeks of leadership training at the American Youth Foundation Camp on Lake Michigan.

Brad is majoring in general agriculture. Although his plans for the future are at present undecided, he says he is interested in extension work. But with his excellent scholastic and extra-curricular record here at Cornell, he is sure to succeed in all his attempts.

A.P.

Sam MacNeil

Coming from Williamsville, New York, and having just graduated from the high school there, Sam signed into the Maritime Service in 1943.

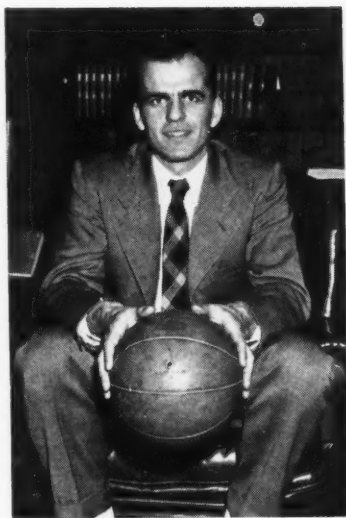
One bright day a Jap submarine torpedoed the S.S. *Antoine Sauvrain*, a merchantman laden with military vehicles, out from under him off the coast of Leyte during that somewhat eventful campaign.



Frisbie

Brad

... Your Friends



Rich

Sam

Upon discharge, Sam turned into a jack-of-all-trades for a couple of years, being a house painter among other things. The call of higher education beckoned him to Buffalo State Teacher's College where, besides being an academic success, he achieved a position on that school's basketball team for a season. While all this transpired, Sam married a farmer's daughter, Georgia McGowan.

She was anxious to win her master's degree at Cornell so Sam was persuaded to take up the challenge and thus he became a student of agriculture, taking a general course, leaning towards animal husbandry, with a hope to operate his own commercial farm in the future. Roy Greene, basketball coach at Cornell, and friend of MacNeil, confided to this writer that "Sam likes his course—and talks about it!"

A senior now, Sam is playing grade number one basketball, is a member of Quill and Dagger, as well as Ho-Nun-De-Kah, is traveling thirty-two miles round-trip to school every day, and at the same time he is earning very respectable grades.

Athletics are his principal outside diversion, of course, as evidenced by his four major letters. He is a right fielder in baseball where he managed to bat over 300

last season. As a matter of fact he led in runs batted in last spring. Currently Sam is doing his best to help Cornell stay respectable in basketball circles. Greene says, "He's shown himself to be a good team player and a good set-shot—very steady."

It is unusual for a grown man of as much experience in mundane doings as MacNeil to come back to college after several years following high school graduation. He is married, he is the elder member of the basketball and baseball squads, but at the same time he has gained a respected position in campus groups.

D.B.

Joanne Walldorff

To a lot of us, Joanne Walldorff and Floriculture go hand in hand. While she has many other interests, her love for flowers has been the basis of much of her work at Cornell. It was gardening that decided Jo in the Cornell College of Agriculture in the first place, as it seemed the best place to combine science with the practical side of gardening. In her first year here, she found that an elected course in Floriculture suited her interests very well, and she has kept it as a major ever since.

Two organizations have had a strong influence on Jo's life: the

4-H Club and Wesley Fellowship. Her work with 4-H started eight years before she entered college. Her projects included poultry, foods, sewing, dairy, and gardening. Foods and sewing won prizes for her at the county contests, and with sewing she went on to district and state competition. And the sale of her three Holstein cows plus the money she earned with her poultry project paid her way through her first year at Cornell!

Wesley Fellowship has been Jo's most important extracurricular activity and she has held many positions in that organization. This year some of her duties include Chairmanship of Personnel and charge of the Junior Church at the Beebe Mission project which Wesley is carrying out in downtown Ithaca. Other activities here at Cornell have included Freshman Club, 4-H Club, Grange (Lady Assistant Steward), Floriculture Club and Wayside Aftermath (President).

After she graduates from Cornell, Jo would like to attend a six weeks period of special training and serve two years mission work here in the states. Because of her 4-H and agricultural background, Jo has decided that she will be most useful in a rural community. After her two years of service she may do graduate work at the Scarritt College for Christian Workers in Nashville, Tennessee.

P.F.



Rich

Joanne

Vet College Program Highlights

By Nona Sutton '55

This year, as in the past, many Farm and Home Week visitors will drop in at the Veterinary School. Some will be simply curious to see just what the clinics look like, and how the cases are handled. So, on Tuesday and Thursday, from 2:00-3:00 p.m., the Small Animal Clinic will be open and tours conducted under the direction of Drs. E. P. Leonard, and H. C. Stephenson. The Large Animal Clinic will be open from 2:00-4:00 p.m. on the same two days, and questions will be answered there by Drs. A. G. Danks, A. M. Mills, P. G. Kennedy, and F. G. Fielder.

Others, like the poultry farmers, will be able to discuss their individual problems with doctors in the Poultry Department. In Moore Laboratory, Tuesday, Wednesday, Thursday, and Friday, from 10:00-12:00 a.m. Drs. P. P. Levine, and M. C. Peckham will do poultry post-mortems. Visitors can observe the actual clinical procedure from cutting the bird open for examination, to diagnosis. From 2:00-4:00 p.m. on Tuesday, Wednesday, and Thursday, Drs. Levine and Peckham will be available for consultation, and on Wednesday afternoon they will conduct the weekly bronchitis clinic. The department has

prepared an exhibit of "What Viruses do to Chicken Embryos," and Drs. Levine and J. Fabricant will show actual chick embryos afflicted with Newcastle's disease, infectious bronchitis, and Duck Virus.

The museum in James Law Hall will be open, and on Tuesday from 12:00-1:00 p.m. Exhibits on a parasite of cattle and sheep, "The Lancet Liver Fluke in New York State," by Mr. C. R. Mapes; and "Virus Research for Animals" by Drs. J. A. Baker, J. H. Gillespie, and C. J. York will be on display in this building.

Vet Corps Activities

Colonel Wm. E. Jennings will present two exhibits—"Veterinary Corps-U.S. Army," and "Control of Rabies." The Veterinary Corps exhibit will depict the activities of the Corps, some of which are research, inspection and processing of foods, and care and treatment of sick and injured animals. The rabies exhibit has been used throughout the country in similar farm and home weeks, and won first prize at the Annual Convention of American Veterinary Medicine Association last August. It was prepared by the Medical Illustration Service of the Armed Forces Institute of

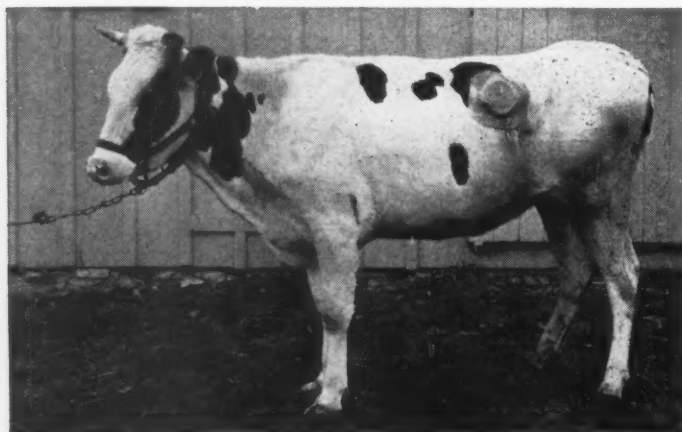
Pathology and shows the incidence of rabies in man and animals, and the common methods of transmission and control.

On Tuesday, Wednesday, and Thursday from 2:00-5:00, several exhibits in the Medicine Building should be of interest, especially to dairymen. Drs. Kenneth McEntee and S. J. Roberts will display colored photographs of the male and female reproductive tracts showing conditions which render animals sterile, and they will answer questions on sterility. Drs. Roberts, S. D. Johnson, D. T. Baker, and H. G. Hodges have prepared an exhibit on Bovine Mastitis. The display will emphasize the importance of diagnosis and prevention.

A demonstration of Hyperkeratosis (X-disease), will be shown by Dr. Peter Olafson. Although much of the work on this disease is still in experimental stages, Dr. Olafson will have a calf afflicted with the disease on display.

Wednesday and Thursday from 2:00-5:00 Drs. R. W. Dougherty and H. H. Dukes will demonstrate rumen activity with the famed "Bill"—the steer with a rumen fistula. The doctors always have a tremendous gathering when they feed Bill bolts and nuts in capsules and recover them through the opening in the paunch, and move a light around inside for all to see just how a cow "works."

So whether you'd like specific questions answered, or simply want to take a tour through the clinics, the exhibits are many and varied and will be interesting and informative to all.

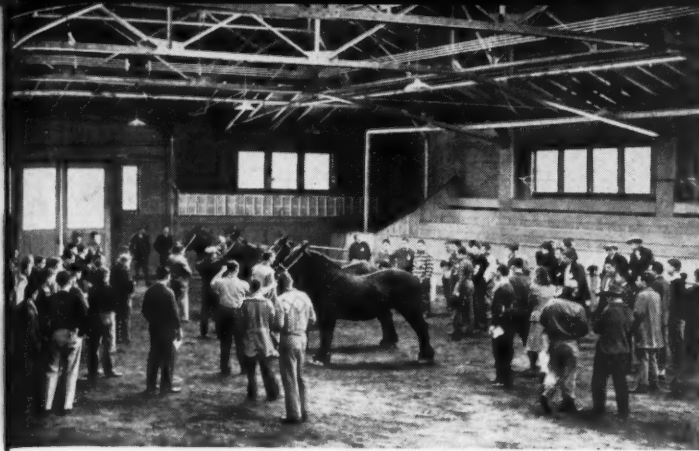


Bill—"The Steer with the Public Rumen"—will be on display during Farm and Home Week to illustrate the workings of the rumen.

Barton Barn Dance

The big Farm and Home Week Square Dance will again be held in Barton Hall from 8:00-12:00 on Thursday, March 22nd. Floyd Woodhull and his Woodhull Boys will furnish music for four hours of fun and dancing. Two door prizes will be given and refreshments will be sold.

Last year's turnout of over 1500 people made the dance a big success. The committee in charge hopes to make this year's dance an even bigger and better affair.



Students look-over a class of horses in the Livestock Judging Pavilion.



Jack Porter introduces his Hampshire lamb to a curious Jersey heifer.

Student Livestock Show

By Margot Pringle '53

Amid the height of Farm and Home Week hubbub, the 37th annual Livestock Fitting and Showmanship Contest will take place in the judging pavillion all day Thursday, March 22. Thirteen breeds of university livestock — including dairy and beef cattle, swine, sheep, and horses—will be shown in a full program beginning at 10 o'clock in the morning. Competition is keen—this year 150 students are striving for prizes totaling \$350 in value. They have been working on their animals for well over a month by now, and it's a safe bet that more hours of preparation have gone into this show than any other event of Farm and Home Week. More than the actual ribbons and trophies, the students who win their classes on Thursday will receive a tribute to skill and plain hard work.

Shows Change

Beginning in 1911 under the auspices of the Roundup Club, the livestock shows have had a long and colorful history. Over a thousand students have participated in fitting and showing in the past, and the numbers of those who take part have grown steadily. Many men prominent in fields of agriculture today gained valuable early experience by fitting a Belgian or a Hereford or a Holstein.

As with everything else, the shows have changed over the years. One of the feature attractions used to be a horse training contest, in which the entering student was given full charge of an unbroken

colt—and solemn responsibility for its proper education. On show day the youngsters were judged on manners and obedience, and according to a spectator of one of these classes "They would just about walk up to the judge, tip their hats and say, 'Howdy Sir'."

Horses Decline

With the decline of the horse on farms, this event is no longer a part of the program. In fact, training has been conspicuously absent in some of the horse classes recently. Not too long ago, a student was knocked down by his charge as they entered the ring, and the show had to be halted until he picked himself up and caught her. He recovered enough to win second, in spite of it all. And just last year a coed showing a two year old Belgian had her hands full when the judge requested to see the filly's action. He got more action than he bargained for, as horse and handler vanished in a thunder of galloping hoofs. At the finish line the girl was a length or two behind, but still hanging on. She won third place—in a class of three.

Work and Fun

Each type of animal goes through a different fitting procedure, but they have one thing in common—they take a lot of time. The dairy cows are scrubbed spotless and shown with their coats brushed to satin smoothness. The beef cattle are shown with coats curled and fluffed out, to make them look deeper and lower set. Sheep are

perhaps the hardest to fit up, since they require extra hours of trimming and washing to put their fleeces in the best condition. Horses are shown brushed to a high polish, with manes and tails braided up into intricate patterns. Hogs have the reputation for being the easiest, but you never know what a hog is going to do. They are driven rather than led, and if they take a notion to leave fast there is nothing stopping them. More than once, spectators have been enchanted at the sight of a sparkling clean pig sprinting round the pavillion at high speed, followed by an embarrassed handler.

A recent addition to the show is the Dairymaid Contest, an event of tremendous popularity which has become the star attraction of the day. Scheduled after the last regular class, it draws a huge crowd as thirty coeds match wits with the cows in a female free-for-all. Any girl who has milked before is classified an expert—those who have never milked are the novices. Each girl is given a pail, a cow, and a one legged stool—from then on it's up to her. The cows are used too machine milking, and often they resent the indignity enough to send pail and contents flying. The race is on for two minutes, after which the milk is weighed. Last year's contest was complete with guitarists who serenaded the cows, and a football star who was roped into the contest at the last minute. After a harrowing two minutes, he had nothing in his pail but a few drops of perspiration. The winning milkmaid netted well over five pounds—a good showing in any company!

The Student Livestock Show is

(Continued on page 30)

The Ag Campus Speaks Out

Stage Contests

Thirteen students from the College of Agriculture and seven students from the College of Home Economics are finalists in the Rice Debate Stage, the Eastman Stage for Public Speaking and the Elsie Van Buren Rice Public Speaking Stage. These three public speaking contests will be held during Farm and Home Week at Cornell.

Those selected as finalists in the Rice Debate Stage are Robert Dickinson '52, Lawrence Specht '51, Richard Redmond '51, and Frank Trerise '51. Alternates are John Cramer '52 and Peter Shuster '52.

The topic which will be debated is, Resolved: That the government of the United States shall, in the event of a major war, establish a system of total mobilization of man power and material.

Participants in the Eastman Speaking Contest are Harold Alexander '52, Charles Dodson '52, Robert Feasley '54, Arthur Ives '51, Richard Lacy '52 and Hugh Robotham '51. The alternate is George Payne '52.

The students from Home Economics are represented in the Elsie Van Buren Rice Public Speaking



Eastman Stage, left to right: H. E. Alexander '52, R. R. Lacy '51, R. W. Feasley '54, C. L. Dodson '52, H. C. Robotham '51, A. P. Ives '51.

Stage. The girls competing are Lorina Smith '53, Felice Bernstein '53, Elaine Rose '52, Elizabeth Lightfoot '52, Elizabeth Dean '54 and Frances Kekargo '51. Gertrude Serby '52 is the alternate speaker.

Awards totaling three hundred and seventy-five dollars will be distributed among the first and second place contestants in all three of the contests.

The purpose of these speaking contests is to develop qualities of personal leadership and ability in public speaking for students. An annual feature, these contests are one of the major features of Farm and Home Week.

A Full College In Sept. '51

"My personal opinion is that we will have a good sized enrollment in the fall of 1951. I do not believe that the military authorities will raid the colleges this summer to the extent that some have feared," said Professor A. W. Gibson, Director of Resident Instruction.

In September 1950 there were 1669 students enrolled in the College of Agriculture. At the beginning of the spring term there were 1492, a drop of about 10 percent as compared with last year's decrease of between six and seven percent. Seventy-six seniors were graduated in February and twenty-three students were dropped for academic reasons. Although a few more than the usual number have dropped out, they have not been many. Some have gone into the armed forces, while others are working on farms.

At the present time it is impossible to obtain facts on the outlook for next fall. In any year information of this type would not be available at this time. This year, because of unsure conditions, those in the office of resident instruction find it especially difficult to venture a guess. As for those students already enrolled, many are in the



Rice Debate Stage, left to right: Richard Redmond '51, Francis Trerise '51, Lawrence Specht '51, and Robert Dickinson Sp.

ROTC program which will enable them to graduate. Professor Gibson also said, "I do not believe that plans will be worked out so that large numbers of our students will have their education interfered with this fall. If it develops that way, I am sure that it is good advice to stay in college if possible."

It is no less difficult to predict how many of this year's graduates will go directly into farming. Last June 24 percent of the graduating class went directly into farming, as compared to a 13 percent average from 1931 to 1940. Of last spring's 24 percent, 37 were farm reared and eleven had some farm experience. Two-thirds of the total number returned to the home farm. The number of graduates taking farm jobs this spring will depend upon several factors—the graduates themselves, the number of jobs open, the type of employment, and this year, on the armed forces.

52,000 4-H'ers Review Work of 1950

Reviewing accomplishments of the past year and planning their part in the nation's defense mobilization program highlighted this year's observance of National 4-H Club Week, March 3 to 11, by New York's 4-H clubs. Approximately 52,000 club members took part in an "open house" program designed to acquaint the public with their plans for the future under the theme of "Working Together for World Understanding."

Professor Albert Hoefer, State 4-H Club leader, said that club members will give increased attention this year to projects serving the nation's emergency effort. They will aim to increase the production and preservation of food, practice good citizenship by engaging in community activities and salvage drives, prepare for emergencies by learning first aid and home nursing, take good care of farm machinery and equipment, and help less fortunate peoples in other lands.

"The record of the past year has been one of real accomplishment," said Professor Hoefer. More than

(Continued on page 36)

COUNTRYMAN ANNOUNCES CONTEST WINNER

The *Countryman* is happy to announce the winner of its contest. Mr. Frank M. Bart-ram '19, of Kennett Square, Pa., is awarded a two-year subscription for being the first to identify the following quote, inscribed over the main entrance of Warren Hall:

Never yet share of Truth was
vainly set

In the world's wide fallow;
After hands shall sow the seed,
After hands from hill and
mead

Reap the harvest yellow.

This quotation is from Barclay of Ury, one of Whittier's narrative poems.

The hero of Whittier's poem was Barclay, a brave and capable soldier who was laird of the estate of Ury, located near Aberdeen, Scotland. After returning from the European wars, Barclay embraced the belief of the Friends and for so doing was ostracized by his former associates and severely persecuted by the citizens of Aberdeen.

In this verse, Whittier comments on the courageous and dignified manner in which Barclay supported the principles of Truth in which he believed and his feeling that others would carry on the good work which he had started.

Want To Go To England?

A young English farmer would like to change countries with you for a few months. To a well-qualified farm boy, this would be a real opportunity. The details are to be worked out through correspondence. Contact the *Countryman* to obtain available information.

Ag Eng Club News

Assistant Professor Donald Bates was guest speaker at the meeting of the Ag Engineering Club held in Stocking 218 on February 28. In line with the topic of the term, Professor Bates spoke on farm structures. He stressed that each building should have a good foundation and showed slides illustrating this point.

Library Opening Delayed

We all remember when the excavators started to remove the hill and parking lot at the far end of the ag quad. Then, by Farm and Home Week, a skeleton of orange beams was "reared against the arch of heaven." Now, a year later, our partially finished library, to be named after the late Dean Albert R. Mann, has risen out of "that hole in the ground."

When can we move in? Though work is progressing satisfactorily, the original opening date of October 1951 has been set ahead due to several delays. A masons' strike in this area halted construction last spring. Another strike in the cement plants caused further delay.

The work seems to be in a calm to casual sidewalk superintendents, who used to take time off from studies to watch the riveters, cranes, and 'dozers. But there is much activity within the walls. Partitions begin to outline the many class and reference rooms and offices. Stacks, taking 80,000 feet of space, are nearing completion.

With work going in this direction most of us can look forward to many hours of study in this building before our graduation. It makes us pretty proud to have this structure on our campus.

AG-TIVITIES

Ag Agents

"Almost everything the public says about the Extension Service in general will directly affect you, for informed public opinion is the basis of state and county legislation and policies," said W. B. Ward, head of the Department of Extension Teaching and Information, in an address before the Ag Agents Club at their February meeting.

"One of the biggest problems of good public relations is bridging the gap between farmers and consumers," asserted Professor Ward. Bridging this gap, he maintained, is best accomplished by getting the full facts to people "clearly, accurately, and quickly" through such media as press and radio.

James M. Sleight '52 was elected president of the Club. He succeeds Homer J. Sands '51. Also elected were vice-president Conrad Oliven '53, who follows Barry Rogenmoser '51, and James A. Hole '53 succeeds Victor H. Bitter '52 as secretary-treasurer.

On the new program committee are William R. Fitzgerald '53, James A. Hole '53, George A. Huegler '53, and Donald C. Huntington '52. Professor E. K. Hanks of the Extension Service is the club's advisor.

Ho-Nun-De-Kah

Plans for the Junior Smoker and Initiation were made at the February meeting of Ho-Nun-De-Kah. The smoker is scheduled for April 24, and the initiation and banquet for the 2nd week in May.

During Farm and Home Week, members of Ho-Nun-De-Kah will usher at the Rice Debate and Eastman Stage speaking contests, a regular activity for the organization during this week.

At the close of the meeting, Prof. Anderson of the Rural Sociology Department spoke on Formosa and some of the occurrences in the Far East. Prof. Anderson has just returned from Formosa, where he spent four months, working for the ECA.

Pre-Vet Students Organize Club

Cornell is noted, among other things, for its School of Veterinary Medicine. However, little notice has been taken of the many pre-veterinary students on campus. In order to compensate for this lack, a group of interested students have organized the Cornell Pre-Veterinary Society. The organization, which met for the first time last month, is open to all interested students.

The purpose of the society is to provide information about the various fields and opportunities of veterinary medicine. It will also attempt to give students an insight into related fields of interest if they are not successful in obtaining their original goal. A lecture program is being planned which will provide qualified speakers on these topics.

Pomology Club

During Farm and Home Week the Pomology Club will sponsor a quiz and contest based on types and varieties of fruits. The contest will be open to all F.F.A. and 4-H members who are not college students. Competition will be held in an individual class as well as in a class of three man teams representing various high schools. Prizes of \$2.00 and \$1.00 for 1st and 2nd places respectively will be offered in each class. The contest will be held in Plant Science 109.

Also during Farm and Home Week, an apple selling booth will be operated by the Pomology Club in Plant Science 109.

Club members are planning a dance and social evening to be held some time in April. The dance will feature games and round and square dancing. The public is invited to attend the evening of fun.

April 3rd the Pomology Club will hold its next meeting, featuring Professor H. S. Tyler, who will speak on "Jobs and Work Available to Students After Graduation." An election of officers will be held at this meeting.

Poultry Club

"I'm not too concerned about the one or two-man farms going out of the picture. The efficient operator will take care of himself," said Professor J. H. Bruckner at a panel discussion at the February Poultry Club meeting.

Also Professors L. B. Darrah and L. M. Hurd were on the panel, which dealt with ways in which the small poultry farmer can increase his efficiency in order to compete with commercial plants.

Family flocks of 10 to 40 birds "are going out," according to Professor Darrah, but 300 to 2000-bird flocks "are a very important group."

Drawing efficiency curves, the economics professor illustrated the number of birds one man can handle. Citing a different kind of efficiency, he "investigated one farm where the owner had 45,000 layers. They employed one man just to carry the dead birds out."

Professor Hurd, speaking on engineering as it applies to the poultry industry, stressed proper planning in new construction and the installation of automatic water fountains, complete with waste disposal and protected against freezing by soil heating cables. By studying farms in operation, he has found that



many man hours are wasted because farmers retrace their steps too many times in completing one task.

Explaining that the average poultry farm has to be a family affair to be successful, Professor Bruckner related how "Jimmie Rice always opened his poultry management courses with a few lectures on how to select a wife."

The Poultry Club will help the department during Farm and Home Week and is also planning an exhibit of its own, with special emphasis on appeal to 4-H and FFA visitors.

4-H Club

The 4-H Club started off the new term with an overnight at Mount Pleasant. About thirty members attended. Various discussion periods were held and everyone enjoyed the tray-sliding, tobogganing, games, and square dancing.

At the February 28th meeting, John Lennox, Ass't State 4-H Club Leader, spoke to us on "Summer Positions" and a delegation of Syracuse University 4-Hers were present to observe our meeting. Since Miss Summerfield is leaving, Miss Martha Leighton has consented to be the new advisor.

F.F.A.

At its February meeting, the Collegiate Chapter of the F.F.A. made final plans for its Farm and Home Week activities. Directing traffic will occupy most of the F.F.A.'s time, as it has during Farm and Home Weeks of recent years.

Many plans were made for the future. Upon request of the Homer F.F.A., a degree team was delegated to go to Homer on the 15th of March to confer the Green Hand Degree on a group of initiates. It was announced that Mr. Stephen Salmon, president of the Vestal Central School and founder of the Future Farmers in New York State, would speak at the April meeting.

After the meeting, Joe Davis, Clint Seefelt, and Frank Grasberger gave talks on their experiences while practice teaching last fall.

Ag-Domecon

Several new faces were seen at the first February meeting of the Ag-Domecon Council. George Bull '51, Helen Corbin '52, J. C. Huttar '51, and Margot Pringle '53 replaced the members graduating in February. Derl Derr was elected vice-president to fill the unexpired term of Dick Darley.

The council accepted the report of the rules committee favoring the establishment of a student-faculty committee for the College of Agriculture. The purpose of such a committee is to act as a channel for mutual exchange of opinion and information between the students and faculty and to serve as a means of

cooperation on problems of common interest. The committee will consist of three faculty members and three students; one from Ag-Domecon, one elected by Ho-Nun-De-Kah, and one elected at large from the student body at the time of the Ag Domecon Elections in the spring. The committee would discuss such things as a revision of the catalogue to provide better course descriptions, an All-Ag Day, and college recognition of the judging teams.

Planned for Farm and Home Week is a panel "Problems of Interest to the Incoming Freshman." This panel will discuss such problems as money, activities, scholarship and topics of interest to the incoming frosh.

Kermis

Martha Van Rensselaer would doubtless be tickled to death should she know that during Farm and Home Week Kermis plans to over-run her namesake to put on its annual spring show. This year the society plans to perform *Gone Are the Days*, an original minstrel show. The script was prepared by Cornellians, and the music was especially written by Stephen Foster a few years ago.

Black-face, speckled vests, and broad smiles will be the motif of the occasion. Bart Hayward, director, announced that this type of show is a new departure for Kermis, but that everyone is nevertheless convinced of its ability to become a success.

The chorus comprises twenty-four sparkling voices. End-men, interlocutor, and many others believe that this season's show will be a drawing card for a successful week.

Horse Show Coming

The Cornell Saddle Club will sponsor a horse show Sunday, April 15, at the ROTC Riding Hall.

Show types will include open jumping, hunting, western riding, hacking, and equitation. Equitation is open in three classes: six and under, seven to thirteen, and fourteen and over. There will be ribbons or trophies for all classes. Entry fees will not exceed \$1.00. The Show will benefit the building fund of the S.P.C.A.

Conservation Club

The Cornell Conservation Club is a newly formed undergraduate organization with open membership for students interested in all aspects of conservation. It is designed as a medium for the exchange of ideas among conservation students and to allow them to work together on problems of a research and educational nature. As yet, no officers have been elected, but Bob Wagner '51 is now temporary chairman.

As part of its research program the club has initiated a series of annual winter waterfowl censuses of the Finger Lakes Region. On Sunday, February 11, forty-three observers recorded 8800 ducks of 19 species. Plans for the Spring term include both faculty and student speakers.

Home Ec Club

The Home Ec Club's annual Cherry Pie Contest will be held on Friday, April 6, at 8 p.m. in the Martha Van Auditorium. Contest entry blanks are up in Roberts Hall, Martha Van, and Statler Hall. The pies are to be baked in the Food and Nutrition labs on Friday afternoon before the judging at the dance. First and second prizes will be awarded. Refreshments will be sold and Bug's Shubert's orchestra will lead the square dancing.

Agronomy Club

The color movie, "Our Changing World" attracted a large audience at the club's open meeting on February 20th. Noteworthy were the time lapse photographs of flowering and budding plants and the striking animated drawings of the earth's history.

On February 8th, John Halpin spoke with color slide illustrations on the agriculture of Greece. The destruction of the recent civil war and the backward condition of their agriculture were vividly shown. Having served on the Near East Commission, Mr. Halpin worked in Greece with their efforts to improve Greek dairy livestock by artificial insemination.



1936

Major Thomas E. Bennett, a professional soldier since his graduation is now stationed in Korea as regimental adviser to the Sixth ROK division. The Military Advisory group of which he is a member has been awarded the Presidential Citation by Korea's President Syngman Rhee and was twice commended by high-ranking American officers.

1943

Anthony LaScala has recently been made manager of the Mueller Foods Company plant in Newark, N. J. *Anthony* has been running the home farm onion business for the past few years at Middletown, Orange County.

1950

Henry Bokman has returned from Cuba, where he was working for the Miller Pickle Company. He has a new job now—working for the U. S. Army.

Bob Clauson, former member of the Countryman staff, has reactivated the agriculture department at Ovid Central School and is teaching agriculture there.

Claire Ferguson has taken a job as herdsman, or should we say heardswoman-, on a Guernsey farm in Massachusetts.

In Home Ec, a number of girls have gone into the merchandising field.

Ollie Myslichuk is working for the Executive Training Program of Bonwit Teller in New York City.

Helen Cudworth and *Monica Semenek* are on the executive training squad for the Neiman Marcus Company of Dallas, Texas.

Jane Merry is working in Madison County as Assistant 4-H Club Agent.

Coming back to Ag, *Lester Howard*, better known as Let, is the Assistant County Agricultural Agent in Livingston County. He

recently married *Pat Faulkner* from Northport, L. I., secretary in the plant breeding department.

1951

Our new crop of February graduates have not waited around too long before accepting jobs. *Dan Barnhart* has gone into partnership with his dad at home, as have *Wilson Lain*, *Chuck Taylor*, and *Donald Youmans*. In addition, our other farmers include *Bill Duffield*, who is managing a fruit farm at Plattsburg and *Joe Miller*, who will be working on the Aberdeen Angus farm of C. B. Whitney, Westbury, Long Island.

A number of graduates have decided to go into the business end of agriculture. *John Robson* has returned to the seed business at Hall. *John Olney* is working in the family food processing plant at Westerville, while *Don Briggs* has gone into partnership with his dad in the retail appliance store at Kingston. *John Sherinian* has a position with Safeway Stores of Mt. Vernon, and *Jim Laing* is located with American Stores, near Syracuse.

In the farm machinery field, we

find *Don Anthony*, who is a trainee with International Harvester at Albany. *Henry Blewer* is field man for the Seaman Rotary Tiller Company at Owego.

Pete Knapp has a sizable area to cover as district agriculture engineer for Tompkins, Schuyler, Chemung, Seneca, Yates and Steuben Counties.

Charles Clark and *Harold "Mike" Gould* are both working for GLF. *Charlie* is located with the petroleum division at Sherburne, while *Mike* is with the service store at Attica.

Fred Dyroff is a designer in a retail flower shop. *John Grandy* is back in Norfolk, Va., working in the family florist business there.

Several graduates have decided to go on with their education immediately. *Dick Darley* is doing graduate work in agricultural economics at the University of Missouri. *Judith Deamont* is doing work in botany here, at Cornell. *Ed Ryder*, former editor of the Countryman, has an assistantship in plant breeding at the University of California at Davis.

In home economics, *Rosemary Kohut* is working with hospitalized children in the Play School of Johns Hopkins at Baltimore, Md.

Barbara Hai has gone into merchandising work. *Barbara* is on the training squad of Fox's, at Hartford, Conn.

Well, this is all the news for the month. See you in the next issue of the Countryman.



H. Pringle '53

Let Howard

PATRONIZE OUR ADVERTISERS

THE CORNELL COUNTRYMAN

Marks, Movies, and Money-- What Does The Campus Say?

By Ester Church '53 and Marcia Wright '53

Do you realize that 52 percent of the professors at Cornell are considered good teachers? At least this is what the Ag Ec 111 class under the guidance of Professor Quentin M. West discovered in their annual poll on items of current interest.

Questions covering college, national and international affairs were asked of 683 students chosen by a random selection. Close representation of the students in attendance in the various colleges was determined by this method. I.B.M. sorters and tabulators were used to assemble the data for final analysis.

Because grades are an ever-occurring issue with students, much of the emphasis of the study was placed on averages. Graduate students, special students, and five

year students maintained the highest collective average of 83.2 while the freshman low was 77.7. From the freshman year average grades increased to 78.9 in the junior year and again dropped slightly in the senior year. Different colleges maintained varying averages corresponding to the number of study hours. Engineers maintained the lowest average although they studied 27 hours. Agriculture has an average of 77.5 while they spend only 20.6 hours a week in study. Graduate students spend 28 hours a week in study and are rewarded by maintaining the highest average of 84.4.

Two may not be able to live as cheaply as one, but two heads are certainly better than one. Polls proved that the average grade for married women was 85.4 while the

average for single women was 79.4. Married men maintained an average of 81.5 while their blissful bachelor brothers totaled only 78.1. One reason for the difference may be that married people find their entertainment at home.

Movies, however, as a form of entertainment do not appear to affect the average grades of Cornellians. The average number of movies attended per month was 3.5. Average grades received by these movie-goers was 79.1 as compared to the University average of 79.3.

Although movies may not have an effect upon the grades, the social life of fraternities does. About 49 per cent of the total student body is composed of fraternity men and these men receive 1.5 per cent lower averages than do non-fraternity men.

Same Salaries

However there is little difference between fraternity men and non-fraternity men in regard to salary expectations after graduation. Both

(Continued on page 34)

Don Streeter TEXACO SERVICE

A complete service you'll like

Prompt and Courteous

529 W. Seneca St.

Ithaca, N. Y.

Have You Heard?

MILK SHAKES

Super-Size

and

Made The Way
You Like 'Em

BARBECUES

Scrumptious Secret Formula

at

THE PLAZA DAIRY BAR

Just outside city limits

on Elmira road

7:30 a.m. — 11:30 p.m.

Varna Garage

AUTO BODY
PAINTING

WELDING

and

GENERAL
REPAIRING

24 HOUR TOWING

PHONE 2531

Route 13

Varna, N. Y.

Wide Open

Vocational adviser to youth:
"Your vocational aptitude test indicates that your best opportunities lie in a field where your father holds an influential position."

—Downtown News

It was only a little tractor

Overheard at the "Straight to-the-Country Day" when a tractor was sitting in the lobby: "Look at all the oil under that tractor."

Laconically: "Takes time to housebreak them, you know."

—Agarius



Melini's Chicks

N. J.-U. S. Approval Pullorum Clean

Produced Under Our Square Deal Policy—
One Grade, One Price in Each Breed.

MELINI VANTRESS FRYER CROSS—Chicken-of-Tomorrow Champs

MELINI LEGHORNS and MINORCA LEGHORNS

MELINI INDIAN RIVER CROSS—Baby Beef Broilers

MELINI SEX-LINK CROSS—Good Layers. Quality Meat

MELINI BARRED CROSS—The Broiler Cross

For detailed Guarantees, see our folder. Write for your copy.



Dept. C, Delsea Drive & Oak Road, VINELAND, NEW JERSEY

You Won't Want To Miss—

This HIGHLIGHT of
FARM and HOME WEEK

BARTON HALL

BARN DANCE

with

WOODHULL'S OLD TYME MASTERS

THURSDAY, MARCH 22 8-12 P.M.

\$.75 person (tax included)

List of Advertisers

Ag-Domecon Council	28
Allan-Wales Co.	43
Al's Dairy Bar	37
Arctic Ice Cream Co.	38
Armour & Co.	39
Babcock Poultry Farm	2
Babson Bros. Co. of N. Y.	44
Barnes Esso Servicenter	46
Beacon Feed Co., Inc.	51
Berger's Service Station	32
B. F. Goodrich Co.	32
Comstock Publishing Co.	40
Co-op Food Store	50
Cooperative G.L.F. Exchange	4
Cornell Co-op	47
Cornell Crew	41
Dean of Ithaca	39
Deere & Co.	Cover
Don Streeter Texaco Service	27
Dr. Salsbury's Laboratories	35
Empire Livestock & Marketing Co-op	31
E. R. Bartholf Mobilgas Service	32
Fletcher's	44
G. C. Bartholf Mobilgas Service	37
Heggie & Bros. Co.—Jewelers	42
Hercules Powder Co.	3
International Harvester Co.	Cover
Ithaca Hotel Barber Shop	32
Janssen's Bakery	46
J. G. Pritchard & Son	35
J. I. Case Co.	Cover
Johnny's Big Red Grill	30
Joseph Harris Co. Inc.	44
Kelly Brothers Nurseries	42
Kermis	1
Lakeview Dairies	41
Marshall Bros. Hatchery	37
Marshall Dairy Co.	34
Melini's Hatchery	28
Morse Chain Co.	30
Mother Zero	47
Norton Printing Co.	50
N. Y. Artificial Breeder's Cooperative	36
N. Y. Assn. of Railroads	49
N. Y. Certified Seed Co-op	45
N. Y. Grange Insurance Co.	45
N. Y. Poultry Improvement Coop.	47
N. Y. College of Agriculture	8
N. Y. State Grange	29
Patterson's Service Station	43
Petrillose Service Station	38
Petzold Equipment Co.	33
Plaza Dairy Bar	27
Quality Food Lunch	38
Rich Poultry	41
Rilco Products, Inc.	43
Round-Up Club	6
R. T. G. Esso Service Station	38
Schooley's Jeweler's	34
Shepherd's Bike Shop	46
The "400"	46
The College Spa	35
The Sport Shop	34
Triangle Book Shop	50
Varna Garage	27
Vineland Poultry Laboratories	36

PATRONIZATION OF OUR
ADVERTISERS IS APPRECIATED

By Joining the Grange, You Can Help Us to Realize

Some Grange Aims

1. To promote community interest.
2. To provide for educational discussions at its meetings.
3. To foster cooperation along worth-while lines.
4. To protect and promote the best interests of agriculture, with emphasis on the FAMILY-SIZED FARM.
5. To build a better rural life.
6. To increase the legislative influence of Rural America.
7. To help provide WHOLESOME entertainment and recreation for the young people and adults of rural communities.
8. To develop the talents of individual members and to create and strengthen rural leadership.
9. To increase fellowship, sociability and fraternity.
10. To promote the highest type of citizenship and quicken our sense of civic responsibility.

Each new member may take pride in becoming a part of a nation-wide fraternity, established in 37 states, an unbroken chain encompassing the continent. Within this vast field live hundreds of thousands of our members, all striving for the attainment of its high purposes and bound together in mutual service. It is a privilege to feel one's self an active worker in this far-flung Grange Family.

NEW YORK STATE GRANGE organized 1873

142,518 Members

900 Subordinate Granges in 53 Counties

Bulletins For You From Roberts Hall

By Rhodalee Krause '54

Christmas tree farming, state government, nest shelters for robins, care of pre-school children, and preparation of a publication—these are only a few of the myriad subjects covered by the bulletins piled high in the basement of Roberts Hall. These pamphlets, published by our Ag and Home Ec Colleges and by the Cornell University Agricultural Experiment Station are available to you in the Roberts mail room.

These bulletins, dating back to 1888, are of eight categories—the oldest being the experiment station reports. These bulletins reported in readable fashion the research which took place at the University experiment station.

The extension bulletins, originat-

ing in 1916, are the most frequently requested pieces of literature. Other types of bulletins include the experiment station memoirs containing extremely technical information, the rural school leaflets—interpreting nature study for rural children; and the 4-H club bulletins, which are closely allied with 4-H club projects.

Who reads all these bulletins? Although primarily intended as a service to New York State residents, thousands of readers all over the United States and in foreign countries benefit from the helpful information provided in these bulletins. A foreign exchange is carried on with 814 institutions. There are 635 libraries in New York State and 268 libraries outside the State

which are supplied with the bulletins.

Two thousand bulletins, containing a variety of subjects that will interest every upper campus student, farmer, and housewife, are now in print, and the number is ever increasing. A list of publications distributed may be picked up in the mail room, or is available on request. Most of the pamphlets are free of charge to State residents.



Student Livestock Show

(Continued from page 21)

often referred to as one of the top livestock events of New York State. Admission is free, and it will be on all day Thursday—so don't miss a chance to see some high class livestock and good entertainment.



On The Hill
it's the
Big Red Grill

For the Finest

Food

Drink

Fun

COLLEGETOWN

A Hearty Welcome

to

Farm & Home Week Visitors

MORSE CHAIN CO.

A Borg-Warner Industry

ITHACA, NEW YORK

DETROIT, MICHIGAN

LETCWORTH. ENGLAND

7 EMPIRE STOCKYARDS

Serving Farmers in New York State

Most farmers agree that the marketing end of the livestock business is the one where the most improvement is needed. For that reason, farmers in the state founded Empire Livestock Marketing Cooperative.

One of the following seven Empire Stockyards will help you get top market prices for your livestock:

ARGYLE
Sale Every Wednesday

GREENE
Sale Every Wednesday

GOUVERNEUR
Sale Every Tuesday

CALEDONIA
Sale Every Tuesday

ONEONTA
Sale Every Thursday

BATH
Sale Every Thursday

MALONE
Sale Every Friday

SPECIAL SERVICE ON SHEEP AND LAMBS

Robert E. Rector, manager of Empire's Caledonia Stockyards, gives special service to sheep and lamb growers. Bob will help you with marketing and also help you secure breeding ewes and feeder lambs.

SPECIAL SERVICE ON BEEF CATTLE

C. R. "Bob" Martin, who has been with the Producers at Buffalo Stockyards for many years, is now serving beef cattle producers through Empire Stockyards. Bob Martin will help you market beef cattle and also help secure feeder cattle.

EMPIRE

LIVESTOCK MARKETING COOPERATIVE

A farmers organization owned by farmers through their cooperatives and operated under policies established by the sponsoring organizations: New York State Grange, New York State Farm Bureau Federation, Producers Cooperative Commission Association, (Buffalo), Dairyman's League Cooperative Association, Cooperative G.L.F. Exchange.

Phone 2843

BARTHOLF
SERVICE STATION

▼
MOBILUBRICATION
MOBILGAS

▼
SERVICE CALLS

▼
TIRES
OIL
ACCESSORIES

▼
Corner of Maple-Dryden Rd.

**Can You Rely
On Your Girl?**

~~~~~  
**Then Don't Let  
Her Trim You**

~~~~~  
Have Your
Barbering Done

at the

ITHACA HOTEL
BARBER SHOP

Slips in the Press

Right of left?

Of course there are two sides to every question, if we really are not interested in either of them.

—*Senate Record*

All fore it!

A college freshman met one of his instructors and asked, "What's your guess about Saturday's game? You don't think we'll do badly, do you?"

"Don't you mean 'badly'?" inquired the professor.

"What's the difference?" said the frosh, "you know what I mean."

"An 'ly' can make quite a difference," persisted the professor. Pointing to a shapely coed he explained, "For instance, it makes a difference whether you look at her sternly,—or at her stern."

—*"See" man's Handbook*

Strawberry is winning!

Overheard on a Madison Avenue bus: "He's been quite sick. He has that disease—I've forgotten the name, where the red popsicles eat up the white popsicles."

—*Travel*

Cheap?

A woman in a grocery store was shocked by the high price of apples. "They're high all right, ma'am," said the clerk, "But that's because they're so scarce."

"Why," protested the woman, just this morning I read in the paper that there was such a bumper crop of apples that they're rotting on the trees."

"That's just it, ma'am," the clerk replied. "That's why they're scarce. It doesn't pay to pick them."

—*U.S.D.A. Economic Report*

Be patient, they still have to catch it

Man at restaurant table to waiter: "What's my offense? I've been on bread and water for two hours."

—*Malnutrition Monthly*

Very seldom, thank Heaven

One housewife to another, over back fence: "I got to thinking yesterday. You know, the way you do when the radio's broken."

—*Kitchen Connoisseur*

(Continued on page 34)

B. F. GOODRICH CO.

**Tires — Tubes
and
Batteries**

▼
Motorola
**Auto and Home Radios
and
Television**

▼
102 W. STATE ST.
PHONE 3432

Leo's '42

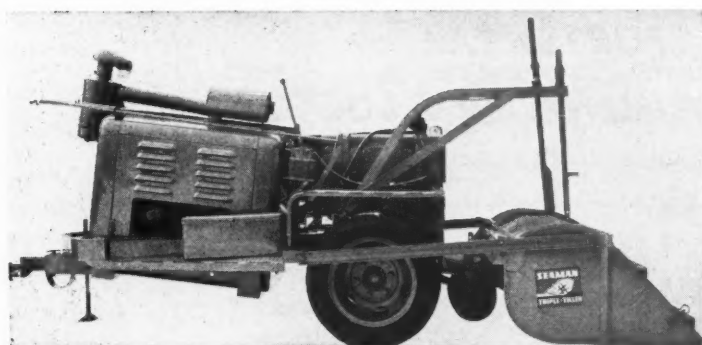
Law '53

Berger's
Sinclair
Service

▼
Gas
Lubrication
Oil
Minor Repairs

▼
Run by a student
who understands
student's problems.

In The Years Ahead...



Motorized SEAMAN Tiller (available with gas or Diesel power.) One of more than 30 models. Prices start at \$600.

A SEAMAN Rotary Tiller will be the best investment you can make because a SEAMAN helps you in your battle against the two most vicious pressures of a war economy—high labor costs and the price squeeze on your operating costs.

SEAMAN Tillers will, in most cases, cut your Tillage time by one half or more; SEAMAN'S adaptability and mobility gives you the portable power plant you need for full and efficient mechanization of your farm; for irrigation and for the belt horsepower you can use for dozens of farm jobs.

Commercial feed costs can be cut sharply. Your SEAMAN will renovate existing pastures and put idle, brush-covered acreage back to work in a relatively easy operation. At current prices, reclaimed land can easily return \$100 per acre in a few years, and there's no reason to expect lower operating costs in the near future.

See your SEAMAN Tiller dealer soon. If you don't know who your dealer is, write The Petzold Equipment Co., 760 Fifth Ave., Owego, N. Y. Find out for yourself what the SEAMAN Rotary Tiller can do for you and your farm.

"One of the Great Clothing Stores of the State"

FINE CLOTHING and Furnishings



SPORTSWEAR

MEN and WOMEN'S FINE LUGGAGE

Hamilton
THE FINE AMERICAN WATCH

Featured in all its brilliance at

SCHOOLEY'S, Inc.

QUALITY JEWELERS

152 East State Street

Divided Payments

Our name has always been
synonymous with the finest in
jewelry — to that end we
now present our new collec-
tion of fine Hamilton watches.



**The Modern Hostess Prefers Ice Cream and
Dairy Products**

From

Town Talk Ice Cream Co.

and

Marshall Dairy Co.

2904

Phone

2756

Statistics

(Continued from page 27)

groups expect between three and four thousand dollars and both expect the income to double in 10 years. Until they are capable of earning these salaries, 40 per cent of Cornell men are supported by their parents and 27 per cent are supported by their parents and by their own efforts in part time work.

Another field of interest covered by the poll is politics. Forty-one per cent of Cornell students have Republican preferences; 24 per cent have Democratic preferences and 23 per cent are as yet undecided. Military training for 18 year-olds is advocated by 76 per cent of the student populus. Twenty-six per cent are opposed to any type of Universal Military Training at all. Still along the political lines the poll discovered that 74 per cent of the students were in favor of economic aid to Europe although only 56 per cent felt that such aid would be effective in stopping the spread of communism. Forty-three per cent of the students felt that war with Russia was inevitable.

Almost everything from the color of the socks you wear on Tuesday to the grave political issues of the day have been compiled into what our contemporaries call vital statistics.

Slips In The Press

(Continued from page 32)

Quite Clear

Sign over a television set in a Hollywood bar: "When the screen doesn't look blurred any more, you've had too much to drink."

—Los Angeles Star

* * *

Too learned!

A young college student remarked to his date, "That's 'Pink Lightning' lipstick you're wearing, isn't it?"

Flattered that he should notice the color of her lipstick, the girl replied, "Why yes, but how did you know?"

"Oh," he quipped, "I've been struck by it before!"

—Electrician's Journal, April

FASTER Chick GROWTH
 Even With Vitamin B12 and Aureomycin In the Feed
Also Prevents Coccidiosis

Dr. SALSBUURY'S Ren-O-Sal

Drinking Water Medicine
With G.S. (Growth Stimulation) Factor

Ren-O-Sal's exclusive ingredient, 3-nitro 4-hydroxy phenylarsonic acid, helps chicks gain 15% more weight . . . lay eggs up to 15 days earlier without forcing. Test proved.

Prevents Coccidiosis—Larger doses prevent spread of cecal coccidiosis in chicken flocks.

*When you need poultry medicines,
 ask for*



Saves costly loss. Tablets for drinking water or powder for feed. Buy Ren-O-Sal, today. Dr. Salsbury's Laboratories, Charles City, Iowa.

OTHER HELPFUL DR. SALSBUURY PRODUCTS

- **DR. SALSBUURY'S SULQUIN**
- **DR. SALSBUURY'S WORMIX**
- **DR. SALSBUURY'S ROTA-CAPS**
- **DR. SALSBUURY'S CLORO-CAPS**

Serving Cornell

and Ithaca

Since 1913

J. G. Pritchard & Son, Inc.

Ithaca's

BUICK DEALER

Peter Atsedes

presents

Food & Drink

for your

Health & Pleasure

at his

College Spa

Restaurant and Cocktail Lounge

Across from The Ithaca Hotel

East State Street

Small Animal Clinic

(Continued from page 15)

less glass cages with stainless steel doors in front. Daily the cages are cleaned and the wards are hosed out. Fans are kept running at all times, and each ward has an exercise run outside. Also there is an operating and a sterilization room. Everything about the clinic is clean—cleanliness is the pass-word.

The clinic treats all types of cases: three per cent distemper cases, 8 per cent distemper vaccination, twenty per cent skin diseases usually caused by external para-

sites, forty per cent surgical operations and thirty per cent treatment for infectious diseases. There are also about 500 spay cases a year for both dogs and cats.

About twenty per cent of the clinic's work is for research. Some of the projects worked on are: worming of puppies, reasons for posterior paralysis, blood substitutes for shock, external parasites, and the use of new drugs and methods.

Even though the clinic operates without state aid, the fees are usually less than those charged by a general practitioner. The small

animal clinic is doing a fine job with its dual role—furnishing practice for veterinary students, and performing a service for the community.

4-H Clubs

(Continued from page 23)

17,000 boys and girls engaged in food preparation and clothing projects. An increase of 2,085 in acres gardened was achieved by more than 15,000 members, while 6000 others reared and cared for 317,958 poultry. Club members carried on projects with dairy animals, canning, home grounds beautification and conservation. More than 4700 persons willingly gave their time the past year to lead the 2700 local 4-H clubs.

What Can Artificial Breeding

To
NYABC
Production-
Building
Sires
Do For
My Herd?

THAT'S the question that is paying off for more than 33,000 members of 68 NYABC-affiliated, local, farmer-owned breeding associations.

THAT'S why 128 inseminating technicians located throughout New York State and Western Vermont report the number of artificial services to NYABC sires up an average of 25 percent over last year.

FACTS show that the average production of 4366 daughters of NYABC Sires in DHIA herds was 11,221 pounds milk and 411 pounds of fat, an increase of 936 pounds of milk and 24 pounds of fat over the 1949 average production of all DHIA cows in New York State on a comparable 2X, 305 day M.E. basis.

FACTS show the 60-90 day non-returns on first services has ranged from 72 to 76 percent continuously for over a year.

HIGHER production, lower breeding costs, and safer production—these are direct results of breeding to NYABC sires.

JUDGE FOR YOURSELF

For full information about breeding in your area to your breed, call your local technician, your county agricultural agent, or visit or write:

New **Y**ork **A**rtificial **B**reeders' **C**ooperative

Box 528

Inc.

Ithaca, N. Y.



This Trademark
Is the Assurance of

POSITIVE PROTECTION Against NEWCASTLE TRACHEITIS . . . FOWL POX

FOR more than 36 years the name Vineland Poultry Laboratories has been the poultryman's household word for security from profit losses due to poultry diseases. Yes, both among commercial and backyard poultrymen, in scores of Agricultural Colleges and Experiment Stations—wherever poultry is raised—the supremacy of Vineland Vaccines is universally recognized and acclaimed.

This unconditional acceptance by the poultry industry of Vineland Vaccines has been earned the hard way. Victory after victory has been scored by Vineland Poultry Laboratories in its endless research and unrelenting battles against the ravages of Newcastle . . . Tracheitis . . . Fowl Pox . . . Pullorum and numerous other devastating diseases. In the wake of each Vineland conquest, thousands of poultrymen have—for a few pennies—through immunization, eliminated the risk of mortality. They have learned that for purity and uniform potency, Vineland Vaccines are unmatched for dependability.

FREE! Authoritative literature on poultry disease control, with special attention to the prevention of Newcastle Disease, Tracheitis, Fowl Pox, Pullorum and Coccidiosis.

VINELAND POULTRY LABORATORIES

Box 70 Vineland, N. J.

Going Ahead

And Going Strong

At

MARSHALL'S

This year we've got a new Brooder House to show you, and Personal
Truck Delivery to tell you about-- you'll be welcome at:

MARSHALL BROTHERS HATCHERY

Mecklenburg Rd.

Phone 9082

Ithaca, N. Y.

People in The Know

Always Go

to

**Al's
Dairy Bar**

Superior Snacks and Ice Cream
Special Daily Dinners

COLLEGETOWN

OPEN 'TIL 12

Mobilgas

**DRYDEN ROAD
SERVICE STATION**

208 DRYDEN ROAD

G. C. BARTHOLF

Ithaca, N. Y.

**Specializing
In
Frozen Desserts**

▼ ▼ ▼

ARCTIC

ICE CREAM
and
MILK CO.

▼ ▼ ▼

402 Taughannock Blvd.
9952 - Phones - 3401

Gas Oil

R.T.G. ESSO SERVICE

Conveniently Located
at the foot of
State Street Hill

Phone
2872

Lubrication Batteries

Antibiotics Increase Poultry Growth

Antibiotics may be a valuable addition to poultry feeds, but they won't make a good ration out of a poor one, a Cornell scientist says.

At present, says Prof. F. W. Hill of the Cornell University Agricultural Experiment Station, there is no evidence that antibiotics will replace any known or suspected nutrients. Best results in feeding experiments have been obtained when antibiotics were added to complete rations containing high quality materials.

The drugs, which include penicillin, terramycin, aureomycin, and bacitracin, step up the growth rate of chicks by as much as 10 per cent and have an even greater effect on turkey poults. Research shows that this stimulation disappears by the time the chicks are 16 weeks old. The effect is also less as turkeys get older. There is no evidence that antibiotics increase egg production or hatchability, the poultry scientist states.

More research will be needed to find out just what makes antibiotics so effective in stimulating growth, Professor Hill says. He points out that feed manufacturers must use rule-of-thumb guides in deciding the amount of the drugs to use. At present as much as ten grams are added to each ton of finished feed, but research shows that as little as five grams may sometimes do the job.

Correction Please

The *Countryman* regrets having made an error in reporting one of the recent Grange meetings. The group did *not* reach the conclusion that 18 year olds are not mature enough to vote in their discussion.

Coed?

One sweet young thing to another: "I like the outdoor type of fellow—the kind who has a nice convertible."

—Wellsley News

* * *

True

"I heard that H. M. S. Pinafore came to Ithaca."

"Boy, they must have had quite a time getting it up the canal."

—Mills on the floss

OPEN FOR BUSINESS

PETRILLOSE Sunoco Service Station

Lubrication
Washing - Accessories
Tire Service

◇ ◆ ◇

GEORGE PETRILLOSE
Dryden Rd.
Next to East Hill
Parking Area

If

You Appreciate
Quality Food

Stop at
the

QUALITY FOOD LUNCH

326 College Avenue

Spool Rules

(Continued from page 17)

and a few strokes of a paint brush. The model on display has a top drawer which has been sectioned off into spaces for small items. One shelf occupies the upper third of the bottom part leaving the lower part for larger items such as an iron and pressing pads.

Even Steamer Trunks

An old steamer trunk can provide excellent storage space and can be used in many ways according to the needs of the homemaker. Horizontally sliding shelves which could be moved from one side of the trunk to the other could provide units for storing small items while giving access to the bottom of the trunk where large articles might be kept. Perhaps a shelf extending across the whole top of the trunk might be used, leaving the bottom section for dead storage, seasonal clothes storage, or dresses to be repaired or remodeled at a future date.

A plywood cabinet can be very effective as a work center and storage place. One can be made in which a sewing machine can be placed with shelves around it where materials can be kept. This makes an attractive disguise for an outmoded machine as well as providing a place to keep equipment together. This same idea can be used to store a washing machine, with shelves for soaps rather than sewing materials.

Use A Closet

For the woman who does a great deal of home sewing, a closet fitted with her equipment would be an asset. A wardrobe or an unused closet could be converted into a sewing center. It is possible to make a collapsible cutting table which is attached to the door of the closet and unfolds when needed. An ironing board, dressform and such large articles could stand at the back of the closet while drawers and sliding shelves provide storage space for thread, scissors and small articles.

There are various ways of organizing a sewing center. These are a few ideas that have been successfully carried out, but the main objective is to have a convenient arrangement for home sewing which

affords the maximum amount of comfort and order and eliminates last minute scurrying hither and yon to collect a needle and thread which often takes more time than the actual sewing task.



Armour Quiz . . . Test your knowledge!

See if you can answer these 4 questions about the meat-packing industry.

Questions

1. How many cuts and kinds of beef do meat packers get from a single steer?
☐ 25 ☐ 45 ☐ 75
2. How much of the average beef steer "on the hoof" is meat?
☐ 45% ☐ 55% ☐ 63%
3. How much profit did Armour and Company make on each pound of meat sold in the 1950 fiscal year?
☐ 17¢ ☐ 1.7¢ ☐ 0.17¢
4. How many meat packers are there in the United States?
☐ 40 ☐ 400 ☐ 4,000

Answers

1. Depending on weight and grade, Armour and Company gets as many as 75 different cuts and kinds of beef from a single carcass.
2. The average beef steer has a dressing percentage of about 55%.
3. In 1950, Armour and Company made 0.17 of one cent on each pound of meat sold.
4. Armour and Company is one of 4,000 meat packing companies in the United States.

ARMOUR

AND COMPANY

Union Stock Yards • Chicago 9, Illinois

DEAN OF ITHACA, INC.

401-09 E. State St.

Phone 4-0511

Let us safely and reasonably solve your transportation problems for all outings and social activities.

**TRANSPORTATION DELUXE
MODERN EQUIPMENT**

**EFFICIENT, COURTEOUS, SAFE
DRIVERS**

Established 1908

Behind THE Ivy

FIFTY YEARS IN ONE UNIVERSITY
WITH VISITS TO SUNDRY OTHERS



The past and the present of Cornell University, the vagaries of its undergraduates, professors, and alumni are presented with warmth and color in the one hundred and sixty-five sketches that make up *Behind the Ivy*.

One of the happiest memoirs of an American university ever published, this book by Romeyn Berry will be welcomed by all Cornellians, for whom it will bring back the best of the years they spent in Ithaca.

Dr. Edmund Ezra Day, President Emeritus, said of *Behind the Ivy*:

"[Romeyn Berry] has done Cornell and Cornellians a great service in his contributions to the columns of the *Alumni News*, and I have long felt indebted to him for the wisdom and good humor he has brought into play as he has made his observations on the life of the institution, past and present. I am delighted that he has been able to bring much of this material together now in a convenient and attractive collection. I am sure it is going to be read widely and with delight."

The New York Times reviewer said:

"Even a reader who has never climbed the Hill comes, by the end of the book, to have a warm feeling for Cascadilla Place, Henry W. Sage, the Ostrander Elms, Theodore Zinck, Cayuga Lake, and George Pfann '24. . . .

"Best of all, Mr. Berry has some pungent observations on several important matters, and he says them gracefully, with a nice feeling for the right phrase."

348 pages, \$3.50

Cornell University Press

ITHACA, N.Y.

Guatemala

(Continued from page 13)

cestors left the city. When I was last in Antigua (1949), Fuego Volcano, always steaming, began to thunder and spill incandescent lava from its yellow-stained mouth, and violent explosions blew away part of the crater wall. In spite of all this, old bells are the true voice of Antigua. Belfries of ruined churches speak in cracked, thin voices, or deep, booming tones. Nearly everywhere you hear moving, murmuring water; it falls into deep basins with distinct notes as musical as glass bells and rushes through open conduits with a susurrus, as of wind in the pines above the city.

Chicle and Citronella

Aromatic highland coffee, bananas of the lowlands, rubber, chicle, and citronella (juice of a plant used to make explosives and perfumes), form the country's chief exports, while among Indian small farmers corn remains a staple subsistence crop. Certain scholars think that the New World's pre-Columbian agriculture, which was based on corn, may have been born in Guatemala, for here grows *teosinte*, a wild grass allied to maize.

Close Ties with U.S.A.

Economic relations between Guatemala and the United States are very close; as a matter of fact, Guatemala sends to the U.S.A. about 90% of its exports and about the same per cent of its imports come from the U.S.A. Besides the agricultural products mentioned in the preceding paragraph, Guatemala exports to the U.S., textiles and a large variety of leather works, and receives in return practically every conceivable object not manufactured in Guatemala, ranging from automobiles and movies to hardware, clothing, and many other things. But the trade between the two countries is not limited to products only; there is a large interchange of ideas in the form of students and experts from both countries studying in the varied fields that each has to offer. There are now about 500 Guatemalan students taking courses in the U.S. About half of this number are studying some branch of agriculture

(Continued on page 45)

GREATER PROFITS FOR YOU

BECAUSE:

1. Northeastern poultrymen have been buying our chicks for years. One farmer has had them for 30 years while another wrote, "best Leghorns we ever had."
2. Our birds lay plenty of large, chalky, white eggs bringing you those extra premiums.
3. All chicks come from parents who are pullorum clean, vaccinated for Newcastle and have been exposed to Bronchitis.

Write today for free illustrated catalog giving all the details.

RICH Poultry Farms

Wallace H. Rich & Son

Hobart, N. Y. R.F.D. 1



Above: Day-old chicks fresh from our Robbins incubators.

Below: View of our new 10,000 bird laying house—modern in every respect.

Lake View Dairies Co., Inc.

*A complete line of
dairy products*

**PASTEURIZED GRADE A and
HOMOGENIZED MILK
BUTTERMILK, CHEESE
FRESH EGGS
from our farm**

**We are sure you will be pleased with
our products.**

Phone 2153

609 N. Tioga St.

WELCOME

*Farm
and
Home Week
Visitors . . .*

Cornell Crew

Mastitis Control

(Continued from page 9)

can be accomplished.

When asked what seems to be the most important factor in mastitis control, Dr. M. G. Fincher of the Veterinary College, who directs the program, said, "Environmental conditions probably have more effect on the percentage of mastitis infection than anything else." It is through programs of improved sanitation and management that the greatest progress in control has taken place. Many farms practice these measures of prevention as a routine, but a lot more of them don't — and it is invariably the dairymen that "just don't bother" who have the most trouble on their hands.

Detailed literature on how to manage mastitis in your herd is available free of charge from the Veterinary College. Here are a few quick tips:

1. Fast milking and proper use of machines—this includes stimulation for let-down before milking by the use of hot, wet, antiseptic

cloths, washing the udder, adjusting machines at the proper vacuum for efficient milking, and removal of the machine as soon as a cow is milked out.

2. Dipping of teats in antiseptic solution after milking and disinfecting teat-cups of the machine between cows by rinsing in water and then in antiseptic solution.

3. Use of extra bedding in order to avoid udder injuries from hard floors and drafts.

4. Provide clean, dry conditions in barns, barnyards, and lanes to cut down the breeding places of mastitis germs.

5. Checking of udder condition, use of strip cups, and consultation of a veterinarian at the first sign of trouble.

6. In troublesome cases, cut down the protein percentage fed in the grain mixture.

Although there are a number of other practices endorsed by the program, these are apparently the most important and the most progress against mastitis has been made in herds which follow them faithfully.

The mastitis control program has come a long way since its initiation in 1946—continued expansion and work with more herds each year have given the field staffs as much work as they can handle. Up to June 30 of 1950, over 140 thousand examinations had been made. If this had meant one examination per cow, it would have covered better than ten percent of the cows in the state! To say that the field boys are busy is a masterpiece of understatement.

But they have a big job and a long way to go. An ounce of prevention is worth about a ton of cure in mastitis control, and there is still a lot of teaching to be done on how to keep the udder bugs under control. As more cows are examined and treated for mastitis, and more farmers become familiar with the whys and wherefores of sanitation, cases are bound to decrease.

It is a safe bet that in the future we will see a great deal less of the dairy cow's Enemy Number One, and a much higher average production per cow as a result.

KELLY'S

True-to-Name FRUIT TREES



STANDARD and DWARF



APPLES — PEARS — PLUMS

PEACHES — CHERRIES

It pays to buy direct from the grower. Our trees are Northern grown, strong and healthy with tough, fibrous root systems. They are **Guaranteed True-To-Name** by the Massachusetts Trueness to Name Service.

Order from our Catalog or write for prices on larger quantities. Order promptly while stocks are complete.



KELLY BROS. NURSERIES, INC.

105 Maple Street

Dansville, N. Y.

If you don't know diamonds

It pays to know

HEGGIE'S

Your Trusted Keepsake Dealer

Buying a Keepsake at this store is like buying from a trusted friend . . . because Keepsake gives you a "guaranteed perfect gem." If you don't know diamonds, it's best to know Keepsake!

o

R. A. HEGGIE & BROS. CO.

Jewelers

Phone 2277

136 E. State St.



THE ALLEN-WALES
 ADDING MACHINE DIVISION
 OF THE
 NATIONAL CASH REGISTER COMPANY
 ITHACA, NEW YORK

PATTERSON'S

for

***Fast and Efficient
 Service***

211 N. Aurora St.

at the bottom of

Buffalo St. Hill

telephone 31169



Mobilgas

and

Mobiloil

Accessories

RILCO RAFTERS

Build Better Farm Buildings



Greater Strength

Wind Resistant

More Usable Space

Think of the time and labor you can save by buying the most important parts of your building already built! Rilco glued laminated wood rafters are cut to exact lengths, delivered with all connecting hardware . . . ready for fast, easy erection. No cutting, no fitting needed. Continuous framing from foundation or plate to ridge eliminates posts, braces, provides attractive appearance, 100% usable interior. Available in various spans for all types of farm buildings.



For Complete Details and FREE Catalog, Write:

RILCO LAMINATED PRODUCTS, INC.

606 Brooks Bldg.—Wilkes-Barre, Pa.

TESTED and PROVED

For Nearly a Quarter of a Century, dairy farmers have thoroughly tested and proved *SURGE* superiority. This superiority is recognized by dairymen the world over.

Today's overwhelming demand for *SURGE* Milkers bespeaks the confidence of dairymen in *SURGE* performance . . . a confidence built on nearly twenty-five years of proved profitable service. *SURGE* MILKING IS SAFE . . . BETTER MILKING . . . ASSURES CLEAN, HIGH QUALITY MILK.



BABSON BROS. CO of New York

842 W. BELDEN AVE.

SYRACUSE, N. Y.

HARRIS SEEDS

Some mighty interesting things in our 1951 catalog. For instance:

MINIATURE SWEET CORN—Very early; delicious flavor; may be planted as close as 1' x 2'.

VANGUARD SAVOY CABBAGE—Tender texture; fresh looking, bright green color; easier to grow than head lettuce.

F₂ HYBRID TOMATOES—Much of the vigor, yield and type of F₁ Hybrids is apparent in Harris' Vancross and Harvest Cross.

NORTHLAND HYBRID WATERMELON—Fits your ice box; extra early; rich red, crisp, juicy flesh.

HARRIS' GYPSY PETUNIA—Uniformly dwarf, compact, bedding type; warm, burnished scarlet-salmon color.

See them all in our 1951 catalog.

A post card will bring you a copy.

JOSEPH HARRIS CO., Inc.

Moreton Farm

Rochester 11, N.Y.

Fletcher's

offer you

**3 GRADES OF CLEANING
GENERAL REPAIRING
MOTH PROOFING
STORAGE**



DELIVERY SERVICE

or

20% DISCOUNT CASH & CARRY



FLETCHERS

103 Dryden Rd.

205 N. Aurora St.

Guatemala

(Continued from page 40)

in various universities such as, University of California at Davis, California, University of Minnesota, Cornell, Louisiana State University and others.

Realizing the importance of agriculture and animal husbandry to Guatemala, the U.S.A. sent as its ambassador to the Republic, Edwin J. Kyle, former Dean of the School of Agriculture of Texas Agricultural and Mechanical College. Mr. Kyle arranged visits between agricultural experts of both countries. Students come from Guatemala to the United States on scholarships to study farming and cattle breeding.

U. S. Experiment Stations

The United States maintains in Guatemala several experimental plantations, under the control of the "Guatemalan-American Institute for Agricultural Development," which has among the members of its staff several American experts, like Dr. Charles Simmons, well-known in the Agronomy Department of Cornell and Dr. H. Muller, also a Cornell graduate.

Guatemala today furnishes living proof that white settling in the New World did not inevitably mean extermination of the native Indian and that the two races and cultures can exist side by side in peace. Life is becoming very commercialized, because of the tremendous tourist trade, but in my prejudiced opinion, Guatemala is still one of the few heavens on Earth, where nobody rushes, and everyone has as his prime purpose—the enjoyment of life.

Plant New York Certified



LOOK FOR THIS
REGISTERED TRADE MARK

CERTIFIED SEED

of

Grains - Beans

Potatoes - Forage Crops - Vegetables

Bred and Selected for High Quality and High Yield
College and State Inspected for your Protection.

WRITE FOR LIST OF GROWERS

NEW YORK CERTIFIED SEED GROWERS' COOPERATIVE, INC.

315 Plant Science Bldg.,

Ithaca, N. Y.

NATIONAL GRANGE

MUTUAL LIABILITY COMPANY

FIRE INSURANCE COMPANY

Home Office: Keene, New Hampshire

SECURITY — SERVICE — SAVINGS

Assets Over \$14,000,000

- Complete Farm Liability Ins.
- Full Automobile Coverage
- Comprehensive Premises and Personal Liability Ins.
- Workmen's Compensation and Employer's Liability Ins.
- General Public Liability Ins.
- Livestock and Machinery Floater
- Real Property Fire Insurance

New York State Main Office

201 E. Water Street, Syracuse 2, New York

"Dedicated to the Service of Agriculture"

**Your Favorite Sandwich
and
Fountain Treat**

Enjoy them at

"The 400"

**RESTAURANT
SODA BAR**

400 College Ave.
at Dryden Rd.

**COLUMBIA
and
SCHWINN
BICYCLES**

**PARTS and
ACCESSORIES**

**EXPERT REPAIR
SERVICE**

Rental Bikes

**SHEPHERDS
BIKE SHOP**

115 N. Tioga St.
DIAL 6781

Rural Church

(Continued from page 12)

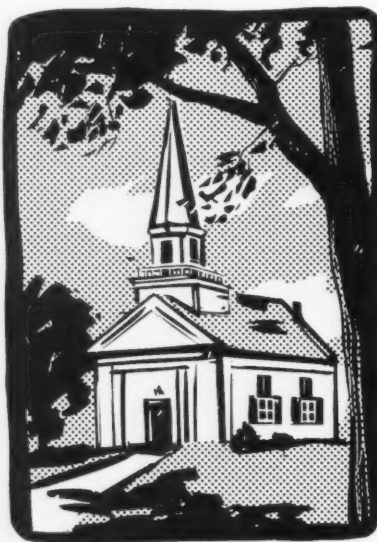
been trained to plan and present these programs. The RCI pioneered in rural church television in 1946 with "The Angelus".

In 1949, an exhibit was shown at the New York State Fair and was so successful that it was continued in 1950. Many people were attracted to the replica of a green and white country church which was built in the Horticultural Hall. Within the little church were a small projection room and tables on which was literature concerning the work of the RCI.

School for Choirs

This summer the Institute is sponsoring a choir director's training school at Cornell. Throughout the year, rural choirs can obtain help from the Choir Bulletin which is edited by Mrs. Alice Bartlett. There is also a lending library of choir music from which rural churches may borrow.

RCI sponsors these many services in order to help the rural church to better serve its community. The Institute is striving to help people realize that healthy rural progress walks hand in hand with healthy rural churches which satisfactorily discharge their spiritual responsibilities.



JANSSEN Home Bakery

▼
**The home of
Triple Rich Bread**

▼
**All Our Baked Goods
Have 2% Wheat Germ Added**

▼
**ITHACA SHOPPING PLAZA
Phone 2186**

THE NEW SENSATION!!!

**CARS LUBRICATED
WHILE IN
SWAYING MOTION**

Sways Squeaks Away

BARNES ESSO SERVICENTER
Opp. Plaza — Elmira Road
Ithaca, N. Y.
Dial 8573

BUY NATIONAL PLAN

CHICKS



POULTS



Has your hatcheryman an official classification? He should have. Make sure he has before you buy.

While in Ithaca, stop in Room 113, Rice Hall, for National Plans information, or write us when you get home.

P.S. Much rather have you stop in!

TOMPKINS COUNTY FROZEN FOOD CENTER



Mother Zero

We carry packaging material

225 S. Fulton St.

Phone 2385

WELCOME FARM and HOME WEEK VISITORS

We've made a lot of preparations for your visit and you will find many interesting things at the Co-op.

**PHOTOGRAPHIC SUPPLIES
CORNELL SOUVENIRS
BOOKS and MAGAZINES
WIRE and TAPE RECORDERS
AND
MANY OTHER ITEMS**

We'll give you a free campus map to guide you to our convenient location.



THE CORNELL CO-OP

(Owned and Operated by Cornell)

On The Campus

Opposite Willard Straight

Up To Us

Elections

Ag Domecon Council will hold its annual election on April 12 this year, less than three weeks off as this issue of the Countryman goes to press. Nominating petitions have been circulating for some time now, and an effort made to get more students interested in running for class representative and representative-at-large. For the first time, special provision has been made for nominees to attend at least one meeting of the Council before the election, in order to gain some understanding of how it functions before they become a part of it. Running the elections is a big job—members of the Council have already gone to a lot of extra time and trouble to see that things are carried out in the best way possible. And yet, if the past record is any indication, the Agriculture and Home Ec Colleges will let them down by sending less than half of their members to the polls.

Poor Turnout

Last year only 616 Ag students came across out of approximately 1700 registered. Granted, a lot of people forgot about the whole thing. A lot of people lost their registration coupons at the last minute, or left them home in a drawer on election day. A lot more just didn't bother. And it has happened other places besides Cornell. Town and county governments complain that they get a small percentage of the voting population to the polls. And in the last presidential election, only about 49 out of 100 people who were eligible to vote found time to tear themselves away for an hour to exercise a right which in the past seven months over 5,000-8,000 American men have died for.

The national vote used to be well over 80 per cent back in 1800, when the memory of other kinds of government was a little stronger. Maybe we are taking too much for granted by now. Traditional free-

dom doesn't mean much, if nobody bothers to use it. And this applies to us at college as much as it does anywhere else.

We are the so-called College Youth—"future leaders of our communities." We are getting an excellent technical education here, from one of the best staffed and equipped universities in the world. But it's about time we began to season it with a little democratic responsibility.

Ag-Domecon has an ambitious program for the coming year. Its activities are expanding widely, and new ideas and projects are in all stages of development. It needs a good energetic bunch of members to carry them through—members who will represent the entire college involved, rather than a few small factions of it. There is no reason why we can't all vote, everyone of us. Let's not let democracy get rusty here, or anywhere.

Ag Eng Dilemma

"The Ag Engineering building is scheduled to be erected in the near future just south of Wing Hall." Thus ran the cutline beneath a sketch of the proposed building. It appeared in the *Cornell Countryman* in May 1949.

The "near future" hasn't brought the department "all under one roof" nor does it seem likely that construction will begin for another two years.

But why has there been so much clamor for a new building in the past ten years? Why do farmers and leading farm organizations, such as the Farm Bureau say, "there is dire need for adequate building facilities for Agricultural Engineering?"

Since 1908 when bewhiskered "Gas Engine" Riley established farm mechanics in the basement of Stone Hall, the department has been constantly moved about campus. More important, it has grown

by leaps and bounds. Today over half of the ag students take at least one course in ag eng before leaving Cornell. Any one of them will attest to the existing noise and confusion when two labs are held simultaneously in one wing of the "temporary" building on Judd Falls Road.

Machinery and equipment, worth thousands, are also stored in this "highly combustible, easily destroyed by fire" building, so classified by R. W. Seidel, supervisor of the safety division.

Prior to October 1949, research and experimental work was bottlenecked in this same building. Then the department acquired a small building from the U.S. Engineers at the far end of Tower Road. With \$2,000 the structure was converted into a presentable research lab. This building today accommodates classes and labs in rural electrification, irrigation, surveying, and farm structures—all this in a research lab.

It seems highly probable that many a student considering advanced work in agricultural engineering has turned to another school after seeing grads stymied in our cluttered labs. Neither will this environment hold instructors and research men; we have some of the best in the field working here at this time.

Future Action?

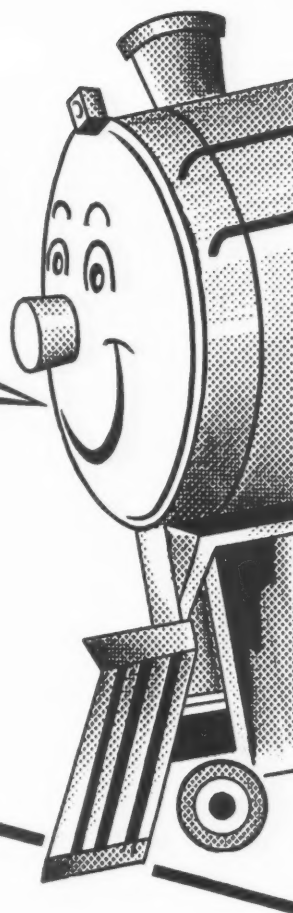
Enough said about confusion and wasted time that exists in the department because of classes, labs and offices scattered in numerous "temporary" buildings. The conscientious ag engineering department does not appreciate the constant pressure because of lack of adequate facilities for teaching, research, and extension. But it is fully aware of the present world situation and knows it will have to "get along" for a few years more.

The point we want to make is this:

When building materials and funds once again become available, let's remind our legislators—this applies whether we go into dairy, truck, or poultry farming—that the ag engineering department has been on the waiting list for a long, long time. And let's keep on reminding them until our needs are realized.

Mr. & Mrs. York State Farmer:

*Tune in on
this profitable
listening*



Thousands of York State Farmers in from their fields for lunch have been profiting from Lee Hamrick's up-to-the-minute interviews with farmers, agricultural leaders and men who have proven ideas for making farming pay.

It's an informal lively half hour. It's easy profitable listening over your Rural Radio Network station each Tuesday, Wednesday and Thursday at 12:30 p.m.

It's brought to you by the railroads which serve you in New York.

The Railroads Which Serve You Mean These Things to You

We're One of Your Best Customers Our dining car services buy more than a quarter of a million dollars worth of your farm products each month. Add to this the steady buying of your farm products by 133,000 well-paid railroad families in New York, and you can see how much we railroads and rail-rodgers mean to you as your customer.

We Pay Large Taxes to Your Community In many counties in New York railroad property tax payments are more than a third of all property taxes collected. In addition, railroad taxes to school districts pay for the education of 20,000 rural school children each year. We free and enterprising railroads are the only transportation system in New York paying all our own way, in addition to supporting your local government services with our taxes.

We have Served Your Transportation Needs For 120 Years Today there are more miles of railroad track in New York than the entire state highway system. This vital network serves you today, as it has for 120 years, with all-weather, low-cost transportation. And you pay for our service only when you use it, for our tracks, stations and equipment were built and maintained by us at no cost to you as a taxpayer.

York State Farmer
program at 12:30 p.m. each Tuesday,
Wednesday and Thursday over

Rural Radio FM Network

A station near you...

WFLY, Troy		
WQAN-FM, Scranton, Pa.	92.3	WVCV, Cherry Valley 101.9
WVBT, Bristol Center	92.3	WHVA, Poughkeepsie 104.7
WHDL-FM, Olean	95.1	WVCN, DeRuyter 105.1
WHCU-FM, Ithaca	95.7	WWHG-FM, Hornell 105.3
WHLD-FM, Niagara Falls	97.3	WMSA-FM, Massena 105.3
WWNY-FM, Watertown	98.5	WRUN-FM, Utica-Rome 105.7
	100.5	WFNF, Wethersfield 107.7

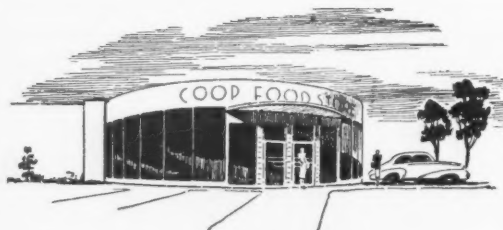
Brought to you by

The Railroads Which Serve You in New York

"Where Printing Gets Done"

NORTON
PRINTING
COMPANY

317 East State Street
ITHACA
Phone 41271



**The New
Co-op Food Store**

609-619 W. Clinton St.
Tel. 2612 — 2680

**Grade A Meats
Fresh Fruits and Vegetables
Co-op and Nationally Advertised
Brands Groceries
Sea Foods — Fresh Baked Goods**

▼
Consumer Owned and Controlled

**Welcome Farm and Home Week
Souvenirs of Cornell**

The New Design — Cornell Ag. School
T-shirts \$1.35

Juvenile T-shirts\$1.25

Juvenile Sweatshirts\$1.95
with Cornell ? ?

Cornell Pennants and Banners from \$.15 to \$5.00

Cornell Stickers and decals\$.05 to \$.15

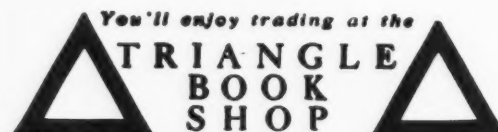
Cornell Seal Jewelry \$1.50 and up.

Cornell Plastic Key Chain \$.15

Crew Hats \$1.50 Babushkas \$1.50

Free: Map of Cornell University

Open Evenings 'til 8 p.m.



Mixing Heads . . .

(Continued from page 16)

from the general fields of home economics and architecture, but will also point out certain sociological and psychological factors which have an influence on the "livability" of farm kitchens.

One of the kitchen arrangements being tested, through the actual preparation of meals, will be on exhibit for the first time at 1951's Farm and Home Week. It is the plan of this regional project to develop a number of farm kitchen arrangements for testing, similar to the one that will be on exhibit. It is not proposed in the project to ultimately develop suggested or recommended floor plans for kitchen design, but rather to develop principles which can be applied by families in better kitchen planning. Also as a part of the research project a number of new types of cabinets are being designed for appraisal and testing to aid in the planning of better farm kitchens. It is expected that some of the findings from this project may be published within the next 18 months or two years.

Many Specialists Close-by

"A University campus such as Cornell's is a most suitable environment for this type of investigation," according to Professor Beyer, "because there are outstanding specialists in the various fields close at hand." Many of these specialists also have background and training in research methods which is an aid to undertaking projects of the type described. The Housing Research Center, according to the Director, will continue objective experimentation and presentation of housing facts through coordinating and utilizing the resources and talents available in various fields over the campus. With this approach the findings which will be reported will reflect the advantage of participation of workers from a number of areas. As Professor Beyer said, "Our ultimate goal is to provide better housing for the family and this can best be accomplished by having architects, engineers, home economists, sociologists, labor specialists and others having an interest in this field work together toward this goal."

MARCH, 1951

give them a **SQUARE** meal



with 1951 BEACON COMPLETE STARTER

During those first critical weeks of their lives, your chicks need meat, fish, milk and cereals—correctly proportioned so that the small amount each chick eats meets every requirement for sturdy growth—good color—and uniform feathering.

Beacon Complete Starter contains all the known elements that go to make a **SQUARE MEAL** for your chicks.

less feed per pound of meat

Experienced poultrymen report that a **SQUARE MEAL**—the right combination of proteins, fats, carbohydrates, minerals and vitamins as supplied by Beacon Complete Starter—can produce 4 lb. broilers or pullets on less than 3 lbs. of feed per lb. of meat.

start your chicks on BEACON

Generally we recommend:

BEACON COMPLETE STARTER—for the poultryman raising replacement chicks and broilers under generally clean conditions. For coccidiosis prevention, put birds on **BEACON CC PELLETS** 1 day a week after the 3rd week.

BEACON COMPLETE STARTER WITH S.Q.—for the poultryman raising broilers or replacement stock and who has a coccidiosis problem.

BEACON COMPLETE STARTER WITH NITROSAL—for growth stimulation and coccidiosis prevention in commercial broiler flocks.

See your Beacon Sales-Service Representative or Beacon Dealer for advice on special problems.

THE **Beacon** ★ ★ ★

Milling Co., Inc., Cayuga, N. Y.
Eastport, N. Y. York, Pa.

SAY YOU SAW IT IN THE COUNTRYMAN

Farm and Home Week

March 19-23

HIGHLIGHTS OF THE WEEK

Monday, March 19

—F.F.A. DAY.

- 11:00 a.m. Father and Son Business Arrangements. Warren Hall Auditorium.
- 2:00 p.m. Dean William I. Myers, The Farm Price Outlook and the National Emergency. Warren Hall Auditorium.
- 2:00 p.m. Preview of College Life, Panel Discussion. Roberts Hall Assembly Room.
- 8:00 p.m. Rice Debate Stage. Warren Hall Auditorium.

Tuesday, March 20

- 11:00 a.m. How the Spread between Producers and Consumers Prices can be reduced. Warren Hall Auditorium.
- 2:00 p.m. Professor Knight Biggerstaff, Revolution in Asia. Bailey Hall.
- 8:00 p.m. Cornell Grange Meeting, E. Carroll Bean, High Priest Demeter, speaker. Warren Hall Seminar.
- 8:15 p.m. Kermis Kampus Kartwheels. Martha Van Rensselaer Auditorium.

Wednesday, March 21

—RURAL CHURCH DAY.

- 9:30 a.m. New York State Rural Youth Conference, Opening Session. Warren Hall 125.
- 10:00 a.m. Opening meeting of Rural Church Day. Warren Hall Seminar.
- 2:00 p.m. Address by Richard Bissell, Deputy Administrator, Economic Cooperation Administration. Bailey Hall.
- 3:00 p.m. Elsie Van Buren Rice Stage. Martha Van Rensselaer Auditorium.
- 7:00 p.m. N.Y.S. Championship Sheep Shearing Contest, Finals Judging Pavilion.
- 8:15 p.m. Haydn's Creation. Bailey Hall.

Thursday, March 22

- 10:00-5:00 p.m. Student Livestock Judging and Showmanship Contest. Judging Pavilion.
- 11:00 a.m. Will Our Food Supplies be Adequate for Another World War? Warren Hall Auditorium.
- 2:00 p.m. Mary Donlon, Chairman Workmen's Compensation Board, The Unfinished Task that Remains Before Us. Bailey Hall.
- 4:00-5:00 p.m. Milk Maid Contest. Judging Pavilion.
- 7:30 p.m. Eastman Stage Speaking Contest. Warren Hall Auditorium.
- 8:00 p.m. Square and Round Dance with the Woodhull Boys. Barton Hall.

Friday, March 23

- 10:00 a.m. Know Your Soil and How to Use It. Forum. Caldwell Hall 100.
- 1:00 p.m. What Is Being Done in New York to Increase Milk Consumption. Warren Hall Auditorium.

16-mm. **MOVIE** in Sound and Color

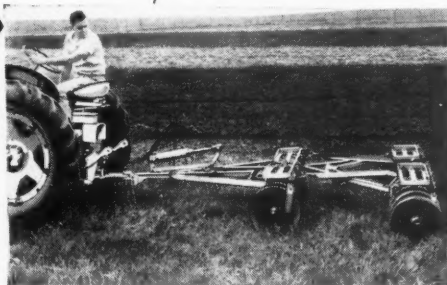
.... AVAILABLE WITHOUT CHARGE

Today's farm is not fully modern unless its tractor and field machinery are equipped with hydraulic controls. Everyone associated with agriculture naturally wants a clear understanding of them—both "what" and "why." Every ag student and instructor who sees this movie will find it a profitable 15 minutes. An illustrated 16-page take-home booklet clinches what the film teaches, and is a valuable addition to personal reference files. Ask your instructor, department head, or club officer to schedule this interesting, fact-packed film.

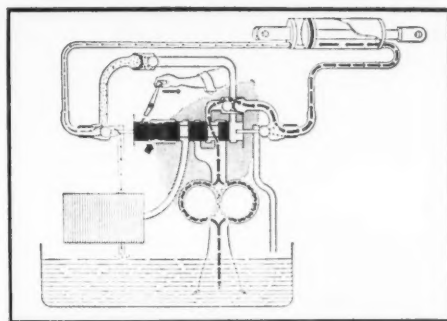


WHAT THEY DO

By action scenes with a dozen or more implements and machines, "Hydraulic Controls" teaches solid lessons in conservation farming, in saving labor, time, and other farming costs. Disk harrows are angled and de-angled on-the-go, sparing grass in waterways and on headlands. Both mounted and pull-behind implements are given attention. Function of the portable hydraulic cylinder is demonstrated, as is the interchangeability of ASAE standard cylinders.



Case Visual Education Materials
Sound-slide films, 16-mm. movies in sound and color, booklets, wall charts and posters—all offered at no charge. Useful in teaching soil and water conservation and the best in modern farm methods. Send for free booklet "Case Visual Education Materials." It lists and describes each, tells how to order. A real help to instructors and club officers in planning teaching or program schedules. Address nearest branch or Racine office.



HOW THEY WORK

Animated mechanical drawings show valves as they open and close; the pump pumps and oil flows; the hydraulic piston moves in or out at the will of the driver. Clear pictures and plain language make the workings of hydraulic controls easy to understand, hard to forget. The companion booklet of the same title can be studied at home and in class.

CASE

Films are loaned and booklets provided without charge to agricultural colleges and appropriate groups—extension workers, county agents, vocational agriculture teachers, student clubs. College instructors and student groups are invited to schedule this movie through their nearest Case dealer or branch, or to write to Educational Division, J. I. Case Co., Racine, Wis.

Library
Purdue University
Lafayette, Ind.

How tropical fibers become top-notch IH twine

*A report to you about men and machines
that help maintain International Harvester leadership*



Only 30 henequen leaves in 1,000 will do for IH twine. To maintain such high standards, International Harvester operates its own plantation. Here's a native worker harvesting choice, mature leaves from which henequen fiber for twine is extracted. After drying and bleaching, our factories transform it into famous IH twine.



Sliver test double-checks baler twine after henequen fiber from Cuba and hemp from the Philippines have been scientifically blended. An IH inspector is shown weighing a sample of blended fibers before spinning. This is to make sure it will produce high quality twine that meets exacting IH standards for length, weight and strength.



Twine must pass the break test before it can wear the IH trade mark. Quality-minded inspectors multiply normal field strains many times with tensile strength testers—record the pull twine withstands before breaking. They also check uniformity and evenness of strand attained by combing the blended fibers eight times.



Workers autograph each ball of twine. Balls of IH twine look like peas in a pod, but each one carries the name of a balling machine operator. This is one of many inspection checks and countless safeguards that protect the quality of IH twine from plantation to packaged product. International Harvester Company, Chicago 1, Illinois.



INTERNATIONAL HARVESTER

International Harvester Builds McCormick Farm Equipment and Farmall Tractors . . .

Motor Trucks . . .



Crawler Tractors and Power Units . . .



Refrigerators and Freezers . . .

